MONITORING AND ADAPTIVE MANAGEMENT

Individual states are challenged with the difficult task to evaluate and then communicate the effectiveness of their SWAP and the SWG program. The intricate nature of ecological interactions is compounded by the fact that a decade may pass before any changes are observed. Despite these difficulties, Congress and the Office of Management and Budget have required the states to provide results that demonstrate good use of the SWG funds allocated.

To address this, AFWA formed the Effectiveness Measures Working Group in 2009 to develop and test a framework and effectiveness measures for the SWG program (AFWA 2011). This group provided states the guidance they needed through a final report, *Measuring the Effectiveness of State Wildlife Grants: Final Report* (AFWA 2011). The AFWA effectiveness framework will help Montana improve conservation work through adaptive management and demonstrate to policy makers that SWG is a good investment.

While FWP will continue to track SWG funded work, there are many other FWP projects funded through other means that address actions found in the SWAP and forthcoming Implementation Plan. In fact, most of the FWP habitat, nongame, and management programs address many of the impacts and conservation actions identified in this plan for CTGCN and SGCN. SWAP actions also may be implemented by other agencies and organizations. All of these actions are difficult to quantify, but contribute to the overall objectives of the SWAP. FWP will track external actions to develop a comprehensive implementation picture for SWG when possible.

MONTANA'S APPROACH

The scope of the Montana's SWAP is tremendous and exceeds the current resources that would be necessary to fully implement all the conservation actions identified in the plan. As a result, there is a great need to prioritize projects, monitor the effectiveness of the SWAP actions implemented, and change the focus, objectives, and goals as needed.

Components of Montana's SWAP, its forthcoming Implementation Plan, and individual projects will be reviewed at set intervals to help determine the effectiveness of the implemented conservation actions and to ensure the highest priorities are being addressed.

- State Wildlife Action Plan 10 years
 - o Species of Greatest Conservation Need annually
 - o Species of Greatest Inventory Need annually
- Implementation Plan three to five years
- Individual projects annually and at project end

FWP will be using the generic actions identified on pages 28-30 in AFWA's *Measuring the Effectiveness of State Wildlife Grants: Final Report* (2011) to maintain common language and to make tracking of implemented actions easier. FWP encourages other partner agencies and organizations to do the same to measure the effectiveness of all conservation actions and to make reporting on these actions more understandable.

Ultimately, the final test to show if conservation actions are working as intended, is the SGCN list. Changes in State Rank will serve as one indicator to help gauge if species are being successfully conserved in Montana. Overall, the movement of any species from a higher State Rank to a lower State Rank, or off the list entirely could indicate improvement. In some instances, SWAP actions may prevent the need to move a species to a higher (i.e., more at risk) rank. Movement to a higher rank may advocate for adjusting actions to better manage the species or its associated community type(s).

This SWAP SGCN list will be revised based on changes to the SOC list. These changes will be submitted to the USFWS no more than once annually for their review and approval.

While the forthcoming Implementation Plan will detail monitoring methodologies for specific priorities and projects, examples of monitoring efforts undertaken since the CFWCS (2006) was approved are described below.

HABITAT MONITORING

Along with FWP, many other agencies, NGOs, and the public assist in monitoring habitat health and restoration effort successes.

The Milk River Initiative

The objective of the Milk River Initiative (MRI) nongame monitoring effort was to establish baseline data on SGCN and species groups in need of inventory. The surveys were designed for long-term monitoring of the distribution and abundance of these species. Results from the monitoring efforts are used to prioritize wildlife conservation needs, implement management strategies on existing FWP conservation projects, enhance conservation planning efforts, and to provide guidance for adaptive management and successful conservation for both game and nongame species.

The MRI was designed, in part, to evaluate and monitor the effectiveness of FWP's wildlife habitat conservation and restoration programs on the abundance and distribution of nongame species, especially SGCN and species groups in need of inventory. Monitoring and adaptive management are necessary components of the process.

Four field seasons of the five-year MRI monitoring surveys were completed. During that time the project was expanded from evaluating three properties in 2008 to 14 properties in 2009 and 2010. FWP managed properties currently in the MRI monitoring program include WMAs, Conservation Easements, and Fishing Access Sites. Nongame species groups monitored include songbirds, owls, reptiles and amphibians, bats, great blue heron, bald eagles, and small mammals. Standardized protocols for these surveys in eastern Montana were designed in line with similar surveys being conducted in other portions of Montana. Results from the MRI songbird surveys were compared with results from the broader prairie riparian songbird monitoring efforts to determine if FWP managed properties are adequately meeting the needs of high priority species and maintaining overall riparian bird diversity along the Milk River

corridor. Repeat monitoring of these properties is planned for the coming years to detect changes in species diversity as continued habitat restoration efforts are conducted.

Sage Grouse Initiative Habitat Assessment

Greater sage-grouse hens were monitored on Sage-Grouse Initiative (SGI) contracted lands and compared with data on sage-grouse hens monitored in areas where there were no SGI grazing systems in place. Work completed included capturing and radio-marking hens, finding and monitoring nests, capturing and radio-marking chicks, and measuring key vegetation characteristics in sage-grouse habitat and in areas with varying grazing treatments. Radio telemetry was used to collect data on hen survival, nest success, and chick survival. Vegetation data at nests and at unused sites in potential sage-grouse nesting habitat was used to measure the influence of vegetation and grazing treatments on sage-grouse vital rates and habitat use. Data was also collected at rested and un-rested pastures on ranches included in SGI areas as well as non-SGI areas to get a separate measure regarding how vegetation responds to SGI grazing systems. In addition to the SGI and non-SGI comparison, each pasture that sage-grouse used was placed into one of four grazing treatments. These treatments were defined with respect to sage-grouse ecology rather than SGI grazing systems, so results could be extrapolated to other grazing systems.

Preliminary results from the first 3.5 years of this study indicate that SGI systems are having a positive impact. However, annual weather fluctuations and lag responses in habitat and sage-grouse population vital rates to habitat management preclude strong inferences from these first years. This project will be continued over the long-term to be able to more rigorously examine the preliminary results.

SPECIES MONITORING

Species monitoring is often conducted with partners, including state and federal agencies, NGOs, and the public.

Diversity Monitoring

In Montana, very little information existed on the status and distribution of a diverse assemblage of vertebrates, including small mammals, amphibians, terrestrial reptiles, and bats. The Montana diversity monitoring project was initiated to: 1) simultaneously provide information on a diverse suite of faunal groups; 2) provide baseline information on species' distributions, site occupancy rates, and detection probabilities that can be used to inform current species conservation status ranking and management efforts; 3) evaluate methodologies and preliminary estimates of site occupancy and detection rates in order to refine survey protocols for future monitoring efforts; 4) establish a baseline of information that can eventually be used to assess changes in distribution and status over time related to changes in habitat and/or management efforts; 5) identify immediate or future research needs for individual species, species assemblages, or habitats; and 6) identify gaps in species' ranges across the state and potentially create maps identifying patterns in individual or collective occupancy rates of species across the state.

Between 2008 and 2010, 3,863 individual surveys were conducted during 213 days at 3,048 unique locations within 282 individual quads in Montana. A total of 5,806 species detections were recorded, and of those detections, 84 unique species were identified. In addition to structured survey observations, 5,912 species observations were recorded incidentally at 2,634 different locations. We detected 21 SGCNs in Montana during the structured surveys.

Multi-Species Bird Monitoring

FWP, in conjunction with the Rocky Mountain Bird Observatory, USFS, BLM, Northern Great Plains Joint Venture, Avian Science Center, and other partners continued landbird monitoring throughout all of the Badlands and Prairies, Prairie Potholes, and Northern Rockies Bird Conservation Regions of Montana. The Integrated Bird Monitoring by Bird Conservation Region uses a spatially-balanced sampling design with Bird Conservation Region as the sampling frame and stratification by land management boundaries and ecoregional attributes. This monitoring design allows inferences about avian species distributions and population sizes from small scales to entire Bird Conservation Regions, facilitating conservation from fine scales to national and international levels. It also provides the baseline data necessary to prioritize habitats for conservation, restoration, and management.

Other landbird monitoring efforts were coordinated with Montana Audubon through its citizen science program. Efforts were targeted to complete recently abandoned breeding bird survey routes or at IBAs where baseline data was lacking.

MONITORING FISH POPULATIONS AND AQUATIC ECOLOGICAL HEALTH

FWP collects data on fish abundance, distribution, and trends to establish and maintain understanding of the overall health and well being of the state's fisheries, threatened and endangered species, and SGCN. Data collection and interpretation form the basis of FWP's understanding of aquatic resources in the state, and is necessary to make the best possible management decisions for sensitive species and their habitats. Monitoring information is used to evaluate trends in populations, success of conservation and restoration efforts, and to understand how habitat and biological changes, ranging from human-caused to natural changes, affect populations and their habitats.

The techniques used to sample fish and other components of the aquatic environment vary depending on the specific site, species sought, or monitoring question. Methods and techniques are constantly being evaluated and refined if necessary, and biologists rely on a combination of novel techniques as well as techniques and methods that honor past traditions that make data comparisons possible. FWP provides training to staff and resource partners to maintain skills and adherence to FWP guidelines.

Monitoring programs take many forms depending on program and resource needs. Site specific and finite monitoring projects are used to evaluate the success of conservation and restoration efforts. For example, successful reestablishment of WCT and YCT populations requires that a sufficient number of founding individuals are incorporated into the new population. To monitor success of these efforts, for 3-5 years biologists will monitor short and long-term survival of egg

and fish introductions, and ultimately whether introduced fish successfully reproduce. Depending on these surveys, it may be determined that a sufficient founding population has been established, or that additional introduction efforts are necessary to increase the abundance and genetic diversity of the population. Other project specific monitoring efforts include those related to habitat manipulations, like the response of fish populations to the removal of a migratory barrier.

Monitoring programs also can be species based. For example, FWP annually completes redd counts (i.e., spawner nest surveys) to monitor abundance and population trends of bull trout throughout western Montana. The effort includes most known local populations — over 100 monitoring sites. These spawning surveys are standardized by stream reach and season, and many have been in place for 20-30 years, providing a foundation for conservation and recovery of a species that is often hard to monitor.

Fish "community" monitoring efforts are often completed in larger prairie rivers (e.g., Missouri and Yellowstone rivers) and lakes and reservoirs. In these projects, typically standardized by location and season, techniques are used (e.g., seines, gill nets, trawls) to sample the wide range of species that are present. For example, on the lower Missouri River below Fort Peck Reservoir, benthic trawls, and min-fyke and trammel nets are annually deployed in standardized locations to collect information on a wide variety of species (n=35+) that includes the federally endangered pallid sturgeon and other SGCNs such as blue sucker, sauger, and sicklefin chub. These efforts help to monitor fish population trends related to such concerns as incompatible dam operations, and evaluate conservation efforts, including the monitoring of survival and abundance of hatchery introduced sturgeon and natural reproduction of wild adults.

In conclusion, aquatic habitat condition is a fundamental concern for all aquatic SGCN. Monitoring of aquatic habitats take many forms, and can be used to evaluate the success of restoration efforts and habitat improvements. An example of such habitat improvement and monitoring efforts are related to a CCAA for Arctic grayling conservation in the Big Hole Valley of southwest Montana. In this program, non-federal landowners voluntarily implement habitat conservation measures on their property to remove habitat threats to help improve the status of Arctic grayling. In return, landowners receive assurances that no future regulatory obligations will be required if Arctic grayling are listed as threatened or endangered. Since the CCAA's establishment, the program has enrolled over 150,000 acres of land, and completed over 225 specific habitat restoration projects like riparian fencing, grazing management plans, fish ladders, and streambank restoration. As stipulated in the CCAA permit, all of these projects require certain levels of monitoring to be completed for verification of improvements to Arctic grayling habitat, and FWP annually dedicates full time and seasonal personnel to implement the monitoring program.

LITERATURE CITED

- Adams, S. M. and A. R. Dood. 2011 Background Information on Issues of Concern for Montana: Plains Bison Ecology, Management, and Conservation. Montana Fish Wildlife & Parks, Bozeman, Montana.
- Adelman, E. B. 1979. A survey of the nongame mammals in the Upper Rattlesnake Creek drainage of western Montana. MS thesis, University of Montana, Missoula Montana. 129 pp.
- Albertson, F. W. 1937. Ecology of Mixed Prairie in West Central Kansas. *Ecological Monographs*. 7 (4): 481-547.
- Ali, M. A., and M. Anctil. 1977. Retinal structure and function in the walleye (*Stizostedion vitreum vitreum*) and sauger (*S. canadense*). Journal of the Fisheries Research Board of Canada 34:1467–1474.
- American Fisheries Society, Montana Chapter website. 2013. Species of Concern. http://www.fisheriessociety.org/AFSmontana/ssc.html
- American Ornithologists' Union. 1998. Check-list of North American birds. 7th edition. American Ornithologists' Union, Washington, D.C.
- Anders, P. J., and R. E. Westerhof. 1996. Conservation aquaculture of endangered white sturgeon (*Acipenser transmontanus*) in the Kootenai River, Idaho. Pp. 51–62 in Proceedings from the International Congress on the Biology of Fishes: Culture and Management of Sturgeon and Paddlefish Symposium Proceedings. San Francisco State University, July 14–18, 1996.
- Anderson, A. and B. Turnock. 2012. Black swift (*Cypseloides niger*) surveys in Northwest Montana, 2012. Unpubl. report. Montana Fish, Wildlife & Parks Region 1, Kalispell, Montana. 14 pp.
- Ashley, J. 1994. Progress report: harlequin duck inventory and monitoring in Glacier National Park, Montana. Unpublished report. Division of Research Management, Glacier National Park, Montana. 14 pp.
- Association of Fish and Wildlife Agencies. 2011. Measuring the Effectiveness of State Wildlife Grants Final Report. 178 pp.
- Association of Fish and Wildlife Agencies. 2012. Best Practices for State Wildlife Action Plans. 66 pp.
- Aune, K., T. Stivers, and M. Madel. 1984. Rocky Mountain Front grizzly bear monitoring and investigation. Montana Department of Fish, Wildlife & Parks, Helena, Montana. 239 pp.

- Barbour, M. G. 2000. North American terrestrial vegetation. Cambridge: Cambridge University Press.
- Baxter, G., and J. Simon. 1970. Wyoming fishers. Bulletin Number 4, Wyoming Game and Fish Department. Cheyenne, Wyoming.
- Baxter, G. T., and M. D. Stone. 1985. Amphibians and reptiles of Wyoming, second edition. Wyoming Game and Fish Department. Cheyenne, Wyoming.
- Becker, G. C. 1983. Fishes of Wisconsin. The University of Wisconsin Press, Madison, Wisconsin.
- Berna, H. J. 1990. Observations on the dwarf shrew (*Sorex nanus*) in northern Arizona. Great Basin Nat. 50: 161-165.
- Black, J. H. 1969. The frog genus *Rana* in Montana. Northwest Science. 43:191–195.
- Black-footed Ferret Recovery Implementation Team. 2013. Black-footed ferret recovery plan. http://www.blackfootedferret.org/recovery-plan-goals
- Block, W. M., and L. A. Brennan. 1987. Characteristics of Lewis's Woodpecker habitat on the Modoc Plateau, California. Western Birds 18:209-212.
- Bock, C. E. 1970. The ecology and behavior of the Lewis's woodpecker (*Asyndesmus lewis*). Univ. California Pub. Zool. No. 92.
- Boundy, J. 2001. Herpetofaunal surveys in the Clark Fork Valley region, Montana. Herpetological Natural History 8: 15-26.
- Bramblett, R. G. 1996. Habitats and movements of pallid and shovelnose sturgeon in the Yellowstone and Missouri rivers, Montana and North Dakota. Ph.D. dissertation, Montana State University, Bozeman, Montana. 210 pp.
- Brock, B. L., R. M. Inman, K. H. Inman, A. J. McCue, M. L. Packila, and B. Giddings. 2007. Broad-scale wolverine habitat in the conterminous Rocky Mountain states. Chapter 2 in Greater Yellowstone Wolverine Study, Cumulative Report, May 2007. Wildlife Conservation Society, North America Program, General Technical Report, Bozeman, Montana.
- Brodie, E. D., Jr., and R. M. Storm. 1970. Plethodon vandykei. Cat. Am. Amph. Rep. 91.1–91.2.
- Brown, C. J. D. 1971. Fishes of Montana. Big Sky Books. Montana State University, Bozeman, Montana.
- Brown, C. 1976. Fishes of Montana. Big Sky Books, Montana State University. Bozeman, Montana.

- Brown, R. S., and W. C. Mackay. 1995. Fall and Winter Movements of and Habitat Use by Cutthroat Trout in the Ram River, Alberta. Transactions of the American Fisheries Society 124:873–885.
- Brunson, R. B., and H. A. Demaree. 1951. The herpetology of the Mission Mountains, Montana. Copeia 1951:306–308.
- Cannon, R. W., and F. L. Knopf. 1981. Lek numbers as a trend index to prairie grouse populations. Journal of Wildlife Management 45:776–778.
- Carlander, K. D. 1997. Handbook of freshwater fishery biology, vol. 3: life history data on ichthyopercid and percid fishes of the United States and Canada. Iowa State University Press, Ames, Iowa.
- Carnefix, G. 2002. Movement patterns of fluvial bull trout in relation to habitat parameters in the Rock Creek drainage, Missoula and Granite counties, Montana. M.Sc. thesis, University of Montana, Missoula, Montana. 185 pp.
- Carter, M. F., and K. Barker. 1993. An interactive database for setting conservation priorities for western neotropical migrants. USDA Forest Service General Technical Report RM-229: 120–144.
- Casey, D. 2000. Partners in Flight Bird Conservation Plan Montana. 279 pp.
- Cassirer, E. F., and C. R. Groves. 1991. Harlequin duck ecology in Idaho. 1987–1990. Idaho Fish and Game and U.S. Fish and Wildlife Service.
- Caton, E. M. 1996. Cavity nesting birds in a post-fire habitat in northwestern Montana. Ph.D. dissertation, University of Montana, Missoula, Montana.
- Chadde, S. W., J. S. Shelly, R. J. Bursik, R. K. Moseley, A. G. Evenden, M. Mantas, F. Rabe, and B. Heidel. 1998. Peatlands on national forests of the Northern Rockies.
- Christopherson, D. M., D. M. Prellwitz, and M. J. Rabenberg. 1992. Status of piping plovers and least tern in Montana.
- Clark Fork Relicensing Team Fisheries Working Group. 1998. Clark Fork River Native Salmonid Restoration Plan. 63 pp.
- Clough, G. C., and J. J. Albright. 1987. Occurrence of the northern bog lemming (*Synaptomys borealis*) in the northeastern United States. Canadian Field-Naturalist 101:611–613.
- Collette, B. B., and 7 co-authors. 1977. Biology of the percids. Journal of the Fisheries Research Board of Canada 34:1890–1899.

- Cope, E. D. 1879. A contribution to and zoology of Montana. American Naturalist 13(7):432–441.
- Craighead, J. J., J. Sumner, and G. Scaggs. 1982. A definitive system for analysis of grizzly bear habitat and other wilderness resources. Wildlife-Wildlands Institute Monograph 1. University of Montana, Missoula, Montana. 279 pp.
- Crance, J. H. 1987. Preliminary habitat suitability curves for sauger. Proceedings of the Annual Conference of Southeast Association Fish and Wildlife Agencies 41:159–167.
- Davis, D. G. 1964. Black Swifts nesting in a limestone cave in Colorado. Wilson Bull. 76:295-296.
- Diamond, S., and P. Finnegan. 1993. Harlequin duck ecology on Montana's Rocky Mountain Front. Unpublished report. Rocky Mountain District, Lewis and Clark National Forest, Choteau, Montana. 45 pp.
- Diem, K. L. and S. I. Zeveloff. 1980. Ponderosa pine bird communities. Pp. 170-197 in Workshop Proc: Management of western forests and grasslands for nongame birds (R. M. DeGraff and N. G. Tilghman, eds.). USDA. Forest Service Gen. Tech. Report INT-86.
- Dinsmore, S. J. 2001. Population Biology of Mountain Plovers in Southern Valley County, Montana. Dissertation, Colorado State University. 109 pp.
- Dood, A. R. 1980. Terry Badlands nongame survey and inventory final report. Montana Department of Fish, Wildlife & Parks and Bureau of Land Management, Helena, Montana. 70 pp.
- Dood, A. R., S. J. Atkinson, and V. J. Boccadori. 2006. Grizzly Bear Management Plan for Western Montana: final programmatic environmental impact statement 2006-2016. Montana Department of Fish, Wildlife and Parks, Helena, Montana. 163 pp.
- Ellis, J. H. and J. Richard. 2008. A Planning Guide for Protecting Montana's Wetlands and Riparian Areas. Montana State University. 113 pp.
- Ellison, Walter G. 1992. Blue-gray Gnatcatcher (*Polioptila caerulea*). Species Account Number 023. The Birds of North America Online (A. Poole, Ed.). Ithaca, New York: Cornell Laboratory of Ornithology; http://bna.birds.cornell.edu/bna/species/023/articles/introduction
- Environmental Protection Agency. 2013. http://www.epa.gov/wed/pages/ecoregions/mt_eco.htm
- Erickson, K., and D. M. Prellwitz. 1999. Piping plover surveys for Nelson Reservoir, Bowdoin National Wildlife Refuge and Hewitt Lake National Wildlife Refuge.

- Everest, F. H., R. L. Beschta, J. C. Scrivener, K. V. Koski, J. R. Sedell, and C. J. Cederholm. 1987. Fine Sediment and Salmonid Production: A Paradox. In Streamside Management: Forestry and Fishery Interactions. E. O. Salo and T. W. Cundy, tech. eds. Pp. 98–142. University of Washington, Seattle, Washington.
- Fairman, L. M., and V. E. Miller. 1990. Results of 1990 surveys for harlequin ducks on the Kootenai and Lolo national forests, Montana. Unpublished report. Montana Natural Heritage Program, Helena, Montana.
- FaunaWest. 1991. Status and breeding distribution of the mountain plover in Montana. Bureau of Land Management, Billings. 61 pp.
- Federal Register. 2007. Endangered and Threatened Wildlife and Plants; Final Conservation Strategy for the Grizzly Bear in the Greater Yellowstone Area. 72. Federal Register. 48. March 13, 2007. p. 11376.
- Flath, D. L. 1979. Status of the white-tailed prairie dog in Montana. Proceedings of the Montana Academy of Sciences 38:63–67.
- Flath, D. L. 1981. Vertebrate species of special concern. Montana Department of Fish, Wildlife & Parks. 74 pp.
- Foerster, K. S. and C. T. Collins. 1990. Breeding distribution of the black swift in southern California. W. Birds 21:1-9.
- Foresman, K. R. 2012. Mammals of Montana. Mountain Press Publishing Company. Missoula, Montana.
- Fredericks, J. F., and D. L. Scarnecchia. 1997. The use of surface visual counts for estimating the relative abundance of age-0 paddlefish in Lake Sakakawea. North American Journal of Fisheries Management 17:1014–1018.
- Frest, T. J. and E. J. Johannes. 1995. Freshwater Mollusks of the Upper Sacramento System, California, with Particular Reference to the Cantara Spill. 1994 Yearly report to California Department of Fish & Game. Deixis Consultants, Seattle, Washington. iii + 88 pp., appendices. Contract #FG2106R1.
- Fylling, M. 2013. Nest site characteristics of Lewis's woodpecker (*Melanerpes lewis*) in riparian systems of western Montana. The University of Montana. M.S. Thesis.
- Gardner, W. M., and R. K. Berg. 1980. An analysis of the instream flow requirements for selected fishes in the Wild and Scenic portion of the Missouri River. Montana Fish, Wildlife & Parks report, Great Falls, Montana.
- Gardner, W. M., and P. A. Stewart. 1997. The fishery of the lower Missouri River, Montana. Montana Department of Fish, Wildlife & Parks report, FW-2-R.

- George, S. B., J. R. Choate and H. H. Genoways. 1986. *Blarina brevicauda*. American Society of Mammalogists, Lawrence, Kansas. Mammalian Species No. 261:1-8.
- Giesen, K. M., and J. W. Connelly. 1993. Guidelines for management of sharp-tailed grouse habitats. Wildlife Society Bulletin. 21:325–333.
- Gresswell, R. E. 1995. Yellowstone cutthroat trout. Pp. 36–54 in M. K. Young, tech. ed. Conservation assessment for inland cutthroat trout. USDA Forest Service General Technical Report RM-GTR-256.
- Groves, C. R. 1988. Status and distribution of the Coeur d' Alene salamander (*Plethodon vandykei idahoensis*) in Idaho. Idaho Department of Fish and Game, Boise, Idaho. 39 pp.
- Groves, C. R., E. F. Cassirer, D. L. Genter, and J. D. Reichel. 1996. Coeur d'Alene Salamander (*Plethodon idahoensis*). Natural Areas Journal 16(3):238–247.
- Hafner, D. J., and D. W. Stahlecker. 2002. Distribution of Merriam's Shrew (*Sorex merriami*) and the Dwarf Shrew (*Sorex nanus*), and new records for New Mexico. Southwestern Naturalist 47:134-137.
- Haig, S. M. 1992. Distribution and status of piping plovers in winter. Abstract, 6th Annual Meeting of the Society for Conservation Biology, pp. 69.
- Hammerson, G. A. 1999. Amphibians and reptiles in Colorado. 2nd ed. University Press of Colorado, Boulder, Colorado.
- Hanni, D. J., C. M. White, R. A. Sparks, J. A. Blakesley, J. J. Birek, N. J. Van Lanen, and J. A. Fogg. 2011. Field protocol for spatially-balanced sampling of landbird populations. Unpublished report. Rocky Mountain Bird Observatory, Brighton, Colorado
- Harrison, C. 1978. A field guide to the nests, eggs and nestlings of North American birds. Collins, Cleveland.
- Harrison, H. H. 1979. A field guide to western birds nests. Houghton Mifflin Co., Boston. 279 pp.
- Hendricks, P. 1981. Observations on a winter roost of Rosy Finches in Montana. J. Field Ornithol. 52:235-236.
- Hendricks, P. 1999. Amphibian and reptile survey of the Bureau of Land Management Miles City District, Montana. Montana Natural Heritage Program, Helena, Montana. 80 p.
- Hendricks, P., and J. D. Reichel. 1996. Preliminary amphibian and reptile survey of the Ashland District, Custer National Forest: 1995. Montana Natural Heritage Program. Helena, Montana. 79 pp.

- Hendricks, P. and J. Swenson. 1983. Dynamics of the winter distribution of Rosy Finches, *Leucosticte arctoa*, in Montana. Can. Field-Nat. 97(3): 307-310.
- Hensler, M. E., and C. C. Muhlfeld. 1999. Spawning ecology of redband trout in Basin Creek, Montana. A report to the Whirling Disease Foundation. Montana Fish, Wildlife & Parks, Bozeman, Montana.
- Hesse, L. W. 1994. The status of Nebraska fishes in the Missouri River. 6. Sauger (Percidae: *Stizostedion canadense*). Transactions of the Nebraska Academy of Sciences 21:109–121.
- Hoffmann, R. S. and J. G. Owen. 1980. Sorex tenellus and Sorex nanus. Mamm. Species 131:1-4.
- Hoffmann, R. S. and D. L. Pattie. 1968. A guide to Montana mammals: identification, habitat, distribution, and abundance. University of Montana, Missoula.
- Hoffmann, R. S. and R. D. Taber. 1960. Notes on Sorex in the northern Rocky Mountain alpine zone. J. Mammal. 41(2): 230-234.
- Hoffmann, R. S., P. L. Wright, and F. E. Newby. 1969. Distribution of some mammals in Montana. I. Mammals other than bats. J. Mammal. 50(3): 579-604.
- Hoffman, R. W. and A. E. Thomas. 2007. Columbian Sharp-tailed Grouse (*Tympanuchus phasianellus columbianus*): a technical conservation assessment. USDA Forest Service. Rocky Mountain Region. Available: http://www.fs.fed.us/r2/projects/scp/assessments/columbiansharptailedgrouse.pdf
- Holderman, C., G. Hoyle, R. Hardy, P. Anders, P. Ward, and H. Yassien. Libby Dam Hydroelectric Project Mitigation: Efforts for Downstream Ecosystem Restoration. 9 pp.
- Holton, G. D. 1981. Identification of Montana's most common game and sport fishes. Montana Outdoors reprint.
- Howell, S. N. G. and S. Webb. 1995. A guide to the birds of Mexico and northern Central America. Oxford University Press, New York.
- Ireland, S. C. 2000. Kootenai River White Sturgeon Studies and Conservation Aquaculture. Annual Progress Report. Prepared for U.S. Department of Energy, Bonneville Power Administration. Contract No. 88 BI 93743, Project No. 88-64. Portland, Oregon.
- Ireland, S. C., P. J. Anders, and J. T. Siple. 2002. Conservation aquaculture: An adaptive approach to prevent extinction of an endangered white sturgeon population (*Acipenser transmontanus*). Pages 211-222 In: W. VanWinkle, P. Anders, D. Dixon, and D. Secor, eds. Biology, Management and Protection of North American Sturgeons. American Fisheries Society Symposium 28.

- Jaeger, M. E. 2004. An empirical assessment of factors precluding recovery of sauger in the Lower Yellowstone River: movement, habitat use, exploitation and entrainment. MS thesis, Montana State University, Bozeman, Montana.
- Jean, C., P. Hendricks, M. Jones, S. Cooper, and J. Carlson. 2002. Ecological communities on the Red Rock Lakes National Wildlife Refuge: inventory and review of aspen and wetland systems. Report to the Red Rock Lakes National Wildlife Refuge, Montana
- Johnsgard, P. A. 1986. Birds of the Rocky Mountains with particular reference to national parks in the Northern Rocky Mountain region. Colorado Associated University Press, Boulder.
- Johnson, R. E. 1965. Reproductive activities of rosy finches, with special reference to Montana. Auk 82:190-205.
- Johnson, R. E. 2002. Black Rosy-finch (*Leucosticte atrata*). Species Account Number 678. The Birds of North America Online (A. Poole, Ed.). Ithaca, New York: Cornell Laboratory of Ornithology; http://bna.birds.cornell.edu/bna/species/678/articles/introduction
- Jones, J. K. Jr., D. M. Armstrong, R. S. Hoffmann and C. Jones. 1983. Mammals of the northern Great Plains. University of Nebraska Press, Lincoln.
- Kanda, N., R. F. Leary, and F. W. Allendorf. 1997. Population genetic structure of bull trout in the upper Flathead River drainage. Pp. 299–308 in W. C. Mackay, M. K. Brewin, and M. Monita, eds. Friends of the bull trout conference proceedings. Bull Trout Task Force (Alberta), c/o Trout Unlimited Canada, Calgary.
- Kincaid, M. L. 1993. A breeding plan to preserve the genetic variability of the Kootenai River white sturgeon. Contract No. DE-AI79-93BP02886. Bonneville Power Administration, Portland, Oregon.
- Kirkland, G. L., Jr., R. R. Parmenter, and R. E. Skoog. 1997. A five-species assemblage of shrews from the sagebrush-steppe of Wyoming. Journal of Mammalogy 78:83-89.
- Knopf, F. L. 1991. Status and conservation of mountain plovers: the evolving regional effort. Report of research activities, U.S. Fish and Wildlife Service National Ecology Research Center, Fort Collins, Colorado, 9 pp.
- Knopf, F. L. and J. R. Rupert. 1996. Reproduction and movements of mountain plovers breeding in Colorado. Wilson Bulletin 108:28-35.
- Knorr, O. A. 1961. The geographical and ecological distribution of the black swift in Colorado. Wilson Bull. 73(2):155-170.
- Knorr, O. A., and M. S. Knorr. 1990. The black swift in the Chiricahua Mountains of Arizona. Southwest Nat. 35:559-560.

- Knowles, C. J., and P. R. Knowles. 1993. Mountain plover numbers, reproduction, and habitat use in three areas of Montana. Unpublished report for the Bureau of Land Management, Billings, Montana. 50 pp.
- Knowles, C., and P. R. Knowles. 1997. Mountain Plover Numbers, Reproduction, and Habitat Use in Montana: A Summary of Six Survey Years. FaunaWest Wildlife Consultants. Prepared for the Montana Department of Fish, Wildlife & Parks, Great Falls, Montana, and the Bureau of Land Management, Billings, Montana. April, 22, 1997.
- Knowles, C., P. R. Knowles, M. Maj, and D. Hinckley. 1995. Mountain Plover Numbers, Reproduction, and Habitat Use in Three Areas of Montana. Prepared by FaunaWest Wildlife Consultants for Bureau of Land Management, Billings, Montana.
- Knowles, C. J., C. J. Stoner, and S. P. Gieb. 1982. Selective use of black-tailed prairie dog towns by mountain plovers. Condor 84:71–74.
- Koch, E. D., and C. R. Peterson. 1995. Amphibians and reptiles of Yellowstone and Grand Teton National Parks. University of Utah Press, Salt Lake City, Utah.
- Kozfkay, J. R., and D. L. Scarnecchia. 2002. Year-class strength and feeding ecology of age-0 and age-1 paddlefish (*Polyodon spathula*) in Fort Peck Lake, Montana. Journal of Applied Ichthyology 18:601–607.
- Krentz, S. 1997. Stocking/augmentation plan for the pallid sturgeon (*Scaphirhynchus albus*) in Recovery Priority Management Areas 1 and 2 in Montana and North Dakota. U.S. Fish and Wildlife Service. Bismarck, North Dakota. 38 pp.
- Kuchel, C. R. 1977. Some aspects of the behavior and ecology of harlequin ducks breeding in Glacier National Park, Montana. M.S. thesis, University of Montana, Missoula, Montana. 160 pp.
- Leary, R. F., F. W. Allendorf, and S. H. Forbes. 1993. Conservation genetics of bull trout in the Columbia and Klamath River drainages. Conservation Biology 7:856–865.
- Leary, R. F., F. W. Allendorf, and N. Kanda. 1998. Lack of Genetic Divergence between Westslope Cutthroat Trout from the Columbia and Missouri River Drainages. Wild Trout and Salmon Genetics Laboratory Report 97/1. Missoula, Montana.
- Leathe, S. A., and M. D. Enk. 1985. Cumulative effects of micro-hydro development on the fisheries of the Swan River drainage, Montana. Report prepared for Bonneville Power Administration, Division of Fish and Wildlife. 114 pp. + appendices.
- Lee, S., et al. 1980. Atlas of North American freshwater fishes. North Carolina State Museum of Natural History. Raleigh, North Carolina.
- Legg, K. 1956. A sea-cliff nest of the Black Swift. Condor 58:183-187.

- Linder, K. A. and S. H. Anderson. 1998. Nesting habitat of Lewis' woodpeckers in southeastern Wyoming. Journal of Field Ornithol. 69(1):109-116.
- Long, M. H. 1997. Sociological implications of bull trout management in northwest Montana: illegal harvest and game warden efforts to deter poaching. Pp. 71–73 in W. C. Mackay, M. K. Brewin, and M. Monita, eds. Friends of the bull trout conference proceedings. Bull Trout Task Force (Alberta), c/o Trout Unlimited Canada, Calgary.
- MacCracken, J. G., D. W. Uresk, and R. M. Hansen. 1985. Habitat used by shrews in southeastern Montana. Northwest Science 59(1):24-27.
- Marnell, L. F. 1997. Herpetofauna of Glacier National Park. Northwest Naturalist, 78:17–33.
- Master, L. L., L. E. Morse, A. S. Weakley, G. A. Hammerson, and D. Faber-Langendoen. 2003. NatureServe Conservation Status Assessment Criteria. NatureServe, Arlington, Virginia.
- Maxell, B. A. 2000. Management of Montana's Amphibians: A Review of Factors that may Present a Risk to Population Viability and Accounts on the Identification, Distribution, Taxonomy, Habitat Use, Natural History and the Status and Conservation of Individual Species. U.S. Forest Service, Missoula, Montana. 161 pp.
- Maxell, B. A. 2002. Database file of herpetological observations from 2001.
- Maxell, B.A., P. Hendricks, M.T. Gates, and S. Lenard. 2009. Status and Conservation of Montana's Amphibians and Reptiles: summaries of distribution and habitat use, review of risk factors, species accounts, bibliographies for individual species, research and management suggestions, and a summary of lentic breeding amphibian surveys. Report to Montana Department of Fish, Wildlife & Parks, Region One Office of the U.S. Forest Service, Montana Department of Environmental Quality, and USGS Northern Rocky Mountain Science Center. Montana Natural Heritage Program, Helena, Montana and Montana Cooperative Wildlife Research Unit and Wildlife Biology Program, University of Montana, Missoula, Montana. 554 p. plus appendices.
- Maxell, B. A., G. Hokit, J. Miller, and K. Werner. 2004. Detection of (*Batrachochytrium dendrobatidis*), the Chytrid Fungus Associated with Global Amphibian Declines, in Montana Amphibians. PowerPoint presentation.
- Maxell, B. A, A. J. Werner, P. Hendricks, and D. Flath. 2003. Herpetology in Montana: a history, status summary, checklists, dichotomous keys, accounts for native, potentially native, and exotic species, and indexed bibliography. Olympia, Washington: Society for Northwestern Vertebrate Biology. Northwest Fauna 5:1–138.
- McIntyre, J. D., and B. E. Rieman. 1995. Westslope Cutthroat Trout. Pp. 1–15 in Conservation Assessment for Inland Cutthroat Trout. M. K. Young, tech. ed. General Technical Report RM-256. U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.

- McMahon, T. E. 1999. Status of sauger in Montana. Montana Fish, Wildlife & Parks report, Helena, Montana.
- Michael, C. M. 1927. Black Swift nesting in Yosemite National Park. Condor 29:89-97.
- Miller, B., R. P. Reading, and S. Forrest. 1996. Prairie Night. Smithsonian Institute Press. Washington DC. 320 pp.
- Miller, J. D. 1978. Observations on the diet of *Rana pretiosa, Rana pipiens*, and *Bufo boreas* from western Montana. Northwestern Science 52:243–249.
- Montana Aquatic Nuisance Species Technical Committee. 2002. Montana Aquatic Nuisance Species Management Plan Final. 148 pp.
- Montana Bull Trout Restoration Team. 2000. Restoration plan for bull trout in the Clark Fork River basin and Kootenai River basin, Montana. Montana Department of Fish, Wildlife & Parks, Helena, Montana. 116 pp.
- Montana Fish, Wildlife & Parks. 1994. Statewide Habitat Plan. 44 pp.
- Montana Fish, Wildlife & Parks. 2002. Grizzly Bear Management Plan for Southwestern Montana 2002–2012.
- Montana Fish, Wildlife & Parks. 2005a. Aquatic Habitat Classifications for Montana for the 2005 Montana Statewide Action Plan. Montana Fish, Wildlife & Parks Data Services Section. Helena, Montana. Off-line data.
- Montana Fish Wildlife and Parks. 2005b. An Integrated Stream Restoration and Native Fish Conservation Strategy for the Blackfoot River Basin.
- Montana Fish, Wildlife & Parks. 2006. Montana's Comprehensive Fish and Wildlife Conservation Strategy. 658 pp.
- Montana Fish, Wildlife & Parks. 2007. Memorandum of Understanding and Conservation Agreement for Westslope Cutthroat and Yellowstone Cutthroat Trout in Montana. 37 pp.
- Montana Fish, Wildlife & Parks. 2008. The Road Ahead: Strategic Plans. 38 pp.
- Montana Fish, Wildlife & Parks. 2010. Crucial Areas Assessment Layer Documentation Summary. Montana Fish, Wildlife & Parks Data Services Section. Accessed 12/16/2013: www.fwp.mt.gov/fwpDoc.html?id=42590.
- Montana Fish, Wildlife & Parks. 2011. A Compilation of Statutes Relating to Fish, Wildlife and Parks Outdoor Recreation, and Certain Other Natural Resources of the State of Montana. 87-1-201.

- Montana Fish, Wildlife & Parks. 2012a. Fish and Wildlife Recommendations for Subdivision Development in Montana: A Working Document. Montana Fish, Wildlife & Parks, Helena, Montana. 174 pp.
- Montana Fish, Wildlife & Parks. 2012b. Fort Peck Reservoir Fisheries Management Plan 2012-2022. Region 6 Fisheries Bureau. Glasgow, Montana. 62 pp.
- Montana Fish, Wildlife & Parks. 2013a. Montana Statewide Fisheries Management Plan, 2013-2018. Montana Fish, Wildlife & Parks, Helena, Montana. 478 pp.
- Montana Fish, Wildlife & Parks. 2013b. Yellowstone Cutthroat Trout Conservation Strategy for Montana. Montana Fish, Wildlife & Parks, Helena, MT. 228 pp.
- Montana Fish, Wildlife & Parks. 2013c. Montana Fish Distribution Lakes and Streams. Montana Fish, Wildlife & Parks Data Services Section. Helena, Montana. Online linkage: http://fwp.mt.gov/gisData/shapefiles/fishDistributionLakes.zip
- Montana Fish, Wildlife & Parks. 2013d. Online information search on least tern in Montana. http://fwp.mt.gov/fishAndWildlife/species/endangered/leastTern/default.html
- Montana Fish, Wildlife & Parks. 2013e. Online information search on piping plover in Montana. http://fwp.mt.gov/fishAndWildlife/species/threatened/pipingPlover/default.html
- Montana Fish, Wildlife & Parks. 2013f. Black-footed ferret species of interest page. http://fwp.mt.gov/fishAndWildlife/species/endangered/ferret/default.html
- Montana Fish, Wildlife & Parks. In Prep. Fish and Wildlife Recommendations for Oil and Gas Development in Montana.
- Montana Fish, Wildlife & Parks. In Prep. Fish and Wildlife Recommendations for Wind Energy Development in Montana.
- Montana Fish, Wildlife & Parks and Confederated Salish and Kootenai Tribes. 2000. Flathead Lake and River Fisheries Co-Management Plan, 2001 2010. 57 pp.
- Montana's Greater Sage-grouse Habitat Conservation Advisory Council. 2014. DRAFT Greater sage-grouse habitat conservation strategy. 73 pp.
- Montana Natural Heritage Program. 2013a. Montana Field Guide Ecological Systems. http://fieldguide.mt.gov/displayES_LCLU.aspx
- Montana Natural Heritage Program. 2013b. Terrestrial Wildlife Species Ranges. Montana Natural Heritage Program Zoology. Helena, Montana. Off-line data.

- Montana Natural Heritage Program and Montana Fish, Wildlife & Parks. 2004. State Rank Criteria for Montana Animal Species of Concern. http://mtnhp.org/animal/2004_SOC_Criteria.pdf
- Montana Natural Heritage Program and Montana Fish, Wildlife & Parks. 2013a. Montana Field Guide. http://fieldguide.mt.gov/displayClasses.aspx?Kingdom=Animalia
- Montana Natural Heritage Program and Montana Fish, Wildlife & Parks. 2013b. Montana Species of Highest Inventory Need List. http://mtnhp.org/SpeciesOfConcern/?AorP=a
- Montana Piping Plover Recovery Committee. 1994. 1993 surveys for piping plover (*Charadrius melodus*) and least tern (*Sterna antillarum*) in Montana. Unpublished report. 116 pp. + appendices.
- Montana Piping Plover Recovery Committee. 1995. 1994 surveys for piping plover (*Charadrius melodus*) and least tern (*Sterna antillarum*) in Montana. 117 pp. + appendices.
- Montana Prairie Dog Working Group. 2002. Conservation Plan for Black-tailed and White-tailed Prairie Dogs in Montana. Montana Fish, Wildlife and Parks. Helena Montana. 51 pp.
- Montana Sage Grouse Work Group. 2005. Management plan and conservation strategies for greater sage-grouse in Montana-Final Montana Sage Grouse Work Group. 200 pp.
- Montana Wetland Council. 2013. A Strategic Framework for Wetland and Riparian Area Conservation and Restoration in Montana 2013–2017. 48 pp.
- Mosimann, J. E. and G. B. Rabb. 1952. The herpetology of Tiber Reservoir Area, Montana. Copeia 1952: 23-27.
- Moss, R. E., J. W. Scanlan, and C. S. Anderson. 1983. Observations on the natural history of the blue sucker (*Cycleptus elongatus* LeSueur) in the Neosho River. The American Midland Naturalist 109(1):15–22.
- Muhlfeld, C. C. 1999. Seasonal habitat use by redband trout (*Oncorhynchus mykiss gairdneri*) in the Kootenai River drainage, Montana. MS thesis, University of Idaho, Moscow, Idaho.
- Muhlfeld, C. C., D. H. Bennett, and B. Marotz. 2001. Summer habitat use by redband trout in the Kootenai River drainage, Montana. North American Journal of Fisheries Management (February).
- National Park Service. 2000. Bison Management for the State of Montana and Yellowstone National Park. Final Environmental Impact Statement for the Interagency Bison Management Plan for the State of Montana and Yellowstone National Park. Vol. I. August 2000.

- Nelson, W. R. 1968. Reproduction and early life history of sauger (*Stizostedion canadense*) in Lewis and Clark Lake. Transactions of the American Fisheries Society 97:159–166.
- Nelson, W. R. 1969. Biological characteristics of the sauger population in Lewis and Clark Lake. U.S. Department of the Interior, Bureau of Sport Fisheries and Wildlife, Technical Paper 21.
- North Dakota Game and Fish Department and Montana Department of Fish, Wildlife & Parks. 2008. Management Plan for North Dakota and Montana Paddlefish Stocks and Fisheries. Bismarck, North Dakota and Helena, Montana.
- Nussbaum, R. A., E. D. Brodie, Jr., and R. M. Storm. 1983. Amphibians and reptiles of the Pacific Northwest. University of Idaho Press. Moscow, Idaho. 332 pp.
- Olson, S. L. 1985. Mountain plover food items on and adjacent to a prairie dog town. Prairie Naturalist 17(2):83–90.
- Olson-Edge, S. L., and W. D. Edge. 1987. Density and distribution of the mountain plover on the Charles M. Russell National Wildlife Refuge. The Prairie Naturalist 19(4):233–238.
- Paige, C., and S. A. Ritter. 1999. Birds in a sagebrush sea: managing sagebrush habitats for bird communities. Partners in Flight Western Working Group, Boise, Idaho.
- Parken, C., and D. L. Scarnecchia. 2002. Predation on age-0 paddlefish by piscivorous fishes in a Great Plains reservoir. North American Journal of Fisheries Management 22:750–759.
- Parkinson, E. A. 1984. Genetic variation in populations of steelhead trout (*Salmo gairdneri*) in British Columbia. Canadian Journal of Fisheries and Aquatic Sciences 41:1412–1420.
- Pattie, D. L. and N. A. M. Verbeek. 1967. Alpine mammals of the Beartooth Plateau. Northwest Sci. 41(3): 110-117.
- Pavlacky, D. C., and S. H. Anderson. 2001. Habitat preferences of pinyon-juniper specialists near the limit of their geographic range. Condor 103:322-331.
- Pearson, D. E. 1999. Small mammals of the Bitterroot National Forest: a literature review and annotated bibliography. General Technical Report RRS-GTR-25. Ogden, Utah: U.S.D.A. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 63 pp.
- Pegg, M. A., P. W. Bettoli, and J. B. Layzer. 1997. Movement of sauger in the lower Tennessee River determined by radio telemetry, and implications for management. North American Journal of Fisheries Management 17:763–768.
- Penkal, R. F. 1992. Assessment and requirements of sauger and walleye populations in the Lower Yellowstone River and its tributaries. Montana Department of Fish, Wildlife & Parks report, Helena, Montana.

- Pflieger, W. L. 1975. The fishes of Missouri. Missouri Department of Conservation, Jefferson City, Missouri.
- Reichel, J. D. 1995. Preliminary amphibian and reptile survey of the Sioux District of the Custer National Forest: 1994. Montana Natural Heritage Program. Helena, Montana. 75 pp.
- Reichel, J. D., and S. G. Beckstrom. 1994. Northern bog lemming survey: 1993. Unpublished report. Montana Natural Heritage Program. Helena, Montana. 87 pp.
- Reichel, J. D., and J. G. Corn. 1997. Northern bog lemmings: survey, population parameters, and population analysis. Unpublished report to the Kootenai National Forest. Montana Natural Heritage Program, Helena, Montana. 27 pp.
- Reichel, J. and D. Flath. 1995. Identification of Montana's amphibians and reptiles. Montana Outdoors 26(3):15-34.
- Reichel, J. D., and D. L. Genter. 1995. Harlequin duck surveys in western Montana: 1994. Montana Natural Heritage Program, Helena, Montana.
- Richardson, L. 1986. On the track of the last black-footed ferrets. Nat. Hist. 95(2):69–77.
- Rickart, E. A., and L. R. Heaney. 2001. Shrews of the La Sal Mountains, southeastern Utah. Western North American Naturalist 61:103-108.
- Rodgers, T. L., and W. L. Jellison. 1942. A collection of amphibians and reptiles from western Montana. Copeia 1942:10–13.
- Russell, A. P., and A. M. Bauer. 1993. The amphibians and reptiles of Alberta. University of Calgary Press, Calgary, Alberta, and University of Alberta Press, Edmonton, Alberta. 264 pp.
- Saab, V. A. and J. G. Dudley. 1998. Responses of cavity-nesting birds to stand-replacement fore and salvage logging in ponderosa pine/Douglas-fir forests of southwestern Idaho. USDA Forest Service Rocky Mountains Research Station Research Paper RMRS-RP-11, Ogden, Idaho.
- Saab, V. A., and J. S. Marks. 1992. Summer habitat use by Columbian sharp-tailed grouse in western Idaho. Great Basin Naturalist. 52:166–173.
- Scarnecchia, D. L., P. A. Stewart, and G. Power. 1996. Age structure of the Yellowstone-Sakakawea paddlefish stock, 1963–1993, in relation to reservoir history. Transactions of the American Fisheries Society 125:291–299.
- Schmetterling, D. A., and M. H. Long. 1999. Montana anglers' inability to identify bull trout and other salmonids. Fisheries 24:24–27.

- Scott, W. B., and E. J. Crossman. 1973. Freshwater fishes of Canada. Bulletin 184, Fisheries Research Board of Canada, Ottawa.
- Servheen, C. 1983. Grizzly bear food habits, movements and habitat selection in the Mission Mountains, Montana. Journal of Wildlife Management 47:1026–1035.
- Shaw, J. A., and T. S. Carter. 1990. Bison movements in relation to fire and seasonality. Wildlife Society Bulletin 18:426–430.
- Shepard, B. B., K. L. Pratt, and P. J. Graham. 1984. Life Histories of Westslope Cutthroat Trout and Bull Trout in the Upper Flathead River Basin, Montana. Montana Department of Fish, Wildlife & Parks, Helena, Montana.
- Skaar, P. D. 1969. Birds of the Bozeman Latilong. Published by the author, Bozeman, Montana.
- Spruell, P., B. E. Rieman, K. L. Knudsen, F. M. Utter, and F. W. Allendorf. 1999. Genetic population structure within streams: microsatellite analysis of bull trout populations. Ecology of Freshwater Fish 8:114–121.
- Stagliano, D. M. 2005. Aquatic Community Classification and Ecosystem Diversity in Montana's Missouri River Watershed. Report to the Bureau of Land Management. Montana Natural Heritage Program, Helena, Montana. 65 pp. plus appendices.
- Stagliano, D. 2010. Freshwater mussels in Montana: comprehensive results from 3 years of SWG funded surveys. Montana Natural Heritage Program, Helena, Montana. 75 pp.
- Stebbins, R. C. 1985. Peterson Field Guides: Western Reptiles and Amphibians. Houghton Mifflin Company, Boston, Massachusetts.
- Stebbins, R. C. 2003. A field guide to western reptiles and amphibians. 3rd ed. Houghton Mifflin Company, Boston, Massachusetts.
- Stewart, D. 1981. The biology of the sturgeon chub (*Hybopsis gelida girard*) in Wyoming. MS thesis, University of Wyoming, Laramie, Wyoming.
- Streubel, D. 2000. *Synaptomys borealis* (Northern Bog Lemming). Idaho Museum of Natural History. Idaho State Univ., Pocatello, Idaho. Website accessed at: http://imnh.isu.edu/digitalatlas/bio/mammal/Rod/Mice/nble/nble.htm
- Swanberg, T. R. 1996. The movement and habitat use of fluvial bull trout in the upper Clark Fork River drainage. Master's thesis, University of Montana, Missoula, Montana. 61 pp.
- Swenson, J. E., K. C. Jensen and J. E. Toepfer. 1988. Winter movements by Rosy Finches in Montana. J. Field Ornithol., 59(2): 157-160.

- Taylor, E. B., S. Pollard, and D. Louie. 1999. Mitochondrial DNA variation in bull trout (*Salvelinus confluentus*) from northwestern North America: implications for zoogeography and conservation. Mol. Ecol. 8:1155–1170.
- Teberg, E. K. 1963. An extension into Montana of the known range of the salamander *Plethodon vandykei idahoensis*. Herpetologica 19:287.
- Teberg, E. K. 1965. Range extensions of the salamander *Plethodon vandykei idahoensis*. Copeia 1965:244.
- Tews, A. 1994. Pallid sturgeon and shovelnose sturgeon in the Missouri River from Fort Peck Dam to Lake Sacagawea and in the Yellowstone River from Intake to its mouth. Fort Peck Pallid Sturgeon Study. Submitted to U.S. Army Corps of Engineers, Planning Branch, Omaha, Nebraska.
- Thomas, J. W., R. G. Anderson, C. Maser, and E. L. Bull. 1979. Snags. Pages 60-77 in J. W. Thomas (editor). Wildlife Habitats in Managed Forests: the Blue Mountains of Oregon and Washington. U.S.D.A. Handbook 553.
- Thompson, L.S. 1977. Dwarf shrew in north-central Montana. J. Mammal. 58:248-250.
- Tobalske, Bret W. 1997. Lewis's Woodpecker (*Melanerpes lewis*). Species Account Number 284.

 The Birds of North America Online (A. Poole, Ed.). Ithaca, New York: Cornell Laboratory

 of

 Ornithology;

 http://bna.birds.cornell.edu/bna/species/284/articles/introduction
- Tsai, C., and J. A. Fava. 1982. Habitats and distribution of the pearl dace (*Semotilus margarita* [Cope]), in the Potomac River drainage. Virginia Journal of Science 33:201–205.
- Umbanhowar, C. E. 1996. Recent Fire History of the Northern Great Plains. *American Midland Naturalist*. 135 (1): 115-121.
- U.S. Department of Energy Western Area Power Administration and U.S. Fish and Wildlife Service. 2013. Upper Great Plains Wind Energy Programmatic Environmental Impact Statement DRAFT. 938 pp.
- U.S. Fish and Wildlife Service, Office of Migratory Bird Management. 1995. Migratory nongame birds of management concern in the United States: the 1995 list. U.S. Government Printing Office: 1996-404-911/44014. 22 pp.
- U.S. Fish and Wildlife Service. 1998. Endangered and threatened wildlife and plants: determination of threatened status for the Klamath River and Columbia River distinct population segments of bull trout. Federal Register 63:31647–31674.
- U.S. Fish and Wildlife Service. 1999. White Sturgeon: Kootenai River Population Recovery Plan. Region 1, USFWS, Portland, Oregon.

- U.S. Fish and Wildlife Service. 2002a. Endangered and Threatened Wildlife and Plants: Bull Trout (Salvelinus confluentus) Draft Recovery Plan. Available: http://www.fws.gov/pacific/bulltrout/Recovery.html.
- U.S. Fish and Wildlife Service. 2002b. Endangered and Threatened Wildlife and Plants: proposed designation of critical habitat for the Klamath River and Columbia River distinct population segments of bull trout. Federal Register 67:71235–71284. Available at http://www.fws.gov/pacific/bulltrout/CriticalHabitat.html.
- U.S. Fish and Wildlife Service. 2006. Candidate conservation agreement with assurances for Arctic grayling in the upper Big Hole River. FWS Tracking # TE104415-0.
- U.S. Fish and Wildlife Service. 2013a. Piping plover fact page. http://www.fws.gov/plover/facts.html
- U.S. Fish and Wildlife Service. 2013b. Recovery plan for the black-footed ferret (*Mustela nigripes*). Denver, Colorado. 157 pp.
- Vance, L. Montana Land Cover Framework. 2010. Montana Natural Heritage Program. Helena, Montana.

 Online

 http://gisportal.msl.mt.gov/arcgis/rest/services/MSDI_Framework/LandCover/MapServer
- Van Zyll de Jong, C.G. 1983. Handbook of Canadian mammals. 1. Marsupials and insectivores. National Museum of Natural Sciences, National Museums of Canada, Ottawa, Canada.
- Vinton, M. A., D. C. Hartnett, E. J. Finck, and J. M. Briggs. 1993. Interactive effects of fire, bison (*Bison bison*) grazing and plant community composition in tallgrass prairie. American Midland Naturalist 129:10–18.
- Vrooman, A. G. 1901. Discovery of the egg of the black swift (*Cypseloides niger borealis*). Auk 18:394-395.
- Walburg C. H. 1972. Some factors associated with fluctuation in year-class strength of sauger, Lewis and Clark Lake, South Dakota. Transactions of the American Fisheries Society 101:311-316.
- Wallen, R. L. 1987. Habitat utilization by harlequin ducks in Grand Teton National Park. Unpublished MS thesis, Montana State University, Bozeman, Montana.
- Warheit, K. I. and C. A. Dean. 2009. Subspecific identification of sharp-tailed grouse (*Tympanuchus phasianellus*) samples from Montana. Unpubl. Draft report. Washington Department of Fish and Wildlife Molecular Genetics Lab. Olympia, Washington. 30 pp.
- Weaver, T. and J. Fraley. 1991. Fisheries Habitat and Fish Populations. Flathead Basin Forest Practices Water Quality and Fisheries Cooperative Program. Flathead Basin Commission. Kalispell, Montana.

- Werdon, S. 1992. Population status and characteristics of *Macrhybopsis gelida*, *Platygobio gracilis* and *Rhinichthyes cataractae* in the Missouri River Basin. MS thesis, South Dakota State University, Brookings, South Dakota.
- Werner, J. K., T. Plummer, and J. Weaselhead. 1998. Amphibians and reptiles of the Flathead Indian Reservation. Intermountain Journal of Science 4:33–49.
- Werner, J. K., and J. D. Reichel. 1994. Amphibian and reptile survey of the Kootenai National Forest: 1994. Montana Natural Heritage Program, Helena, Montana. 105 pp.
- Wershler, C. R. 1989. A management strategy for mountain plovers in Alberta. Proc. Prairie Cons. Endangered Species Workshop, Saskatchewan Natural History Society and Canadian Plains Resource Center. 5 pp.
- West, S. D. 1999. Northern bog lemming (*Synaptomys borealis*). Pp. 655–656 in the Smithsonian book of North American mammals, D. E. Wilson and S. Ruff, eds. Smithsonian Institution Press, Washington, DC.
- Wilson, A. G. Jr. and J. H. Larsen Jr. 1988. Activity and diet in seepage-dwelling Coeur d'Alene salamanders (*Plethodon vandykei idahoensis*). Northwest Science 62(5): 211-217.
- Wilson, D. E., and S. Ruff. 1999. The Smithsonian book of North American mammals. Smithsonian Institution, Washington, DC.
- Winston, M. R., C. M. Taylor, and J. Pigg. 1991. Upstream extirpation of four minnow species due to damming of a prairie stream. Transactions of the American Fisheries Society 120:98–105.
- Wright, P. L. 1950. *Synaptomys borealis* from Glacier National Park, Montana. Journal of Mammalogy 31(4):460.

APPENDICES

Appendix A: Frequently used acronyms found in the SWAP

AFS: American Fisheries Society

AFWA: Association of Fish and Wildlife Agencies

ANS: Aquatic Nuisance Species

ATT: Aquatic Technical Team

BLM: Bureau of Land Management

BMP: Best Management Practice

BOR: Bureau of Reclamation

CAPS: Crucial Areas Planning System

CCAA: Candidate Conservation Agreement with Assurances

CFWCS: Comprehensive Fish and Wildlife Conservation Strategy

CRP: Conservation Reserve Program

CTGCN: Community Types of Greatest Conservation Need

DNRC: Department of Natural Resources and Conservation

ESA: Endangered Species Act

FWP: Montana Fish, Wildlife & Parks

IBA: Important Bird Area

LILB: Large Intact Landscape Block

MNHP: Montana Natural Heritage Program

MPPRC: Montana Piping Plover Recovery Committee

MRI: Milk River Initiative

NGO: Non-governmental Organization

NRCS: Natural Resources Conservation Service

NWR: National Wildlife Refuge

ORV: Off-road Vehicle

PSOC: Potential Species of Concern

RMP: Resource Management Plan

RNA: Research Natural Area

SGCN: Species of Greatest Conservation Need

SGI: Sage-Grouse Initiative

SGIN: Species of Greatest Inventory Need

SOC: Species of Concern

SWAP: State Wildlife Action Plan

SWG: State Wildlife Grant

TTT: Terrestrial Technical Team

USACOE: United States Army Corps of Engineers

USFS: United States Forest Service

USFWS: United States Fish and Wildlife Service

WAFWA: Western Association of Fish and Wildlife Agencies

WCT: Westslope Cutthroat Trout

WMA: Wildlife Management Area

WTPD: White-tailed Prairie Dog

YCT: Yellowstone Cutthroat Trout

YNP: Yellowstone National Park

Appendix B: State Wildlife Action Plan Road Map

Congress identified eight required elements that each State Wildlife Action Plan (SWAP) had to address for the 2005 submission. These elements have not been changed for the revisions and are still required to be addressed. In addition to these eight required elements, the Association of Fish and Wildlife Agencies' (AFWA) document, *Best Practices for State Wildlife Action Plans* (2012), was reviewed and some recommendations from it were incorporated into this SWAP.

This revision of Montana's Comprehensive Fish and Wildlife Conservation Strategy (CFWCS; FWP 2006) is considered a major revision by the U.S. Fish and Wildlife Service (USFWS). Several components of this revision were developed using completely different methodologies than the CFWCS (FWP 2006) and for others, more thorough descriptions are provided. What follows is an easy-to-read outline of the changes made in this SWAP revision for each of the eight required elements. Please see the identified pages for detailed information.

1. Information on the distribution and abundance of species of wildlife, including low and declining populations, as the state fish and wildlife agency deems appropriate, that are indicative of the diversity and health of the state's wildlife. <u>Pages 122-296</u>.

As with the CFWCS, Montana Fish, Wildlife & Parks (FWP) and the Montana Natural Heritage Program (MNHP) Point Observation Database provided observation data for all species. The FWP and MNHP co-managed online Field Guide was used to develop the individual species pages in this SWAP.

The method of estimating low and declining populations for this revision was much different than the CFWCS. Instead of using the formula developed for the CFWCS, the tested and accepted method that FWP and MNHP have been using for a decade to identify Species of Concern (SOC) was used in this revision (MNHP and FWP 2004). This method is a standardized ranking system to denote global and state status (Master et al. 2003).

2. Descriptions of locations and relative condition of key habitats and community types essential to conservation of species identified in (1). <u>Pages 14-24</u>; <u>30-58</u>; <u>65-121</u>.

A different approach was taken to describe habitats and community types for the SWAP revision. Most technical team members felt the community type descriptions were too broad and wanted to address habitat at a finer scale than what was in the CFWCS.

3. Descriptions of problems which may adversely affect species identified in (1) or their habitats, and priority research and survey efforts needed to identify factors which may assist in restoration and improved conservation of these species and habitats. <u>Pages 25-29</u>; <u>59-64</u>; <u>122-261</u>.

Part of the process used to identify Focal Areas for this SWAP, was to identify threats and impacts to species and habitats. The teams recommended specific conservation actions at the community type and species levels.

4. Descriptions of conservation actions proposed to conserve the identified species and habitats and priorities for implementing such actions. *Pages 4-5*; 25-29; 59-64; 122-261.

Specific actions were identified for community types and species. These actions should be developed further in future project plans to make them relevant to each project. All actions recommended in this SWAP are equal in priority, as successful conservation of the species and communities in greatest need will require implementing all of the actions over time.

5. Proposed plans for monitoring species identified in (1) and their habitats, for monitoring the effectiveness of the conservation actions proposed in (4), and for adapting these conservation actions to respond appropriately to new information or changing conditions. <u>Pages 297-301</u>.

Monitoring recommendations (if applicable) are identified for specific species, and to a lesser extent, community types. FWP will develop these recommendations in more detail in a follow up Implementation Plan. The Implementation Plan will be reviewed and perhaps revised based on data collected and new information, after the first three years of implementation.

AFWA's recommendation to use common language when describing conservation actions will be employed in tracking implementation of this SWAP (AFWA 2011). The specific actions identified in this plan will be tied to the generic actions identified by AFWA (AFWA 2011) for tracking purposes.

6. Descriptions of procedures to review the strategy at intervals not to exceed 10 years. *Pages* 297-301.

This SWAP will be a living document. As data and new information are collected, the SWAP will be revised accordingly, but no more than once per year. The appropriate correspondence will be sent to USFWS when asking to approve the revision(s). FWP's forthcoming Implementation Plan, as well as new information from our partners, will aid in revising the SWAP.

According to current Congressional rules, this SWAP needs to be fully reviewed, and perhaps revised, by 2024. While the SWAP will be constantly evaluated and modified on an annual basis as necessary, FWP will also undergo a thorough evaluation of the SWAP and its implementation by 2024 and will make necessary revisions by then. The results of 10 years of data collection and analysis will help to modify species status, habitat condition, and threats or impacts to species or their habitats. As with this current revision, all revisions will utilize the best available information and be able to direct Montana's conservation needs into the future in response to changing information.

7. Plans for coordinating the development, implementation, review, and revision of the plan with federal, state, and local agencies and Indian tribes that manage significant land and water areas within the state or administer programs that significantly affect the conservation of identified species and habitats. <u>Pages 2-3</u>; <u>297-301</u>.

The Coordinator initially met with several staff of external agencies and organizations to inquire how they would like to be involved in the SWAP revision. The Coordinator then made recommendations to the Steering Committee chair as to which agencies and organizations should be on the technical team for the revision. The recommendations were based on levels of interest and expertise. Several external invitees responded and participated. Some team members were never able to attend a meeting and others had to discontinue participation. Funding, workload, and reduction in force all contributed to the levels of participation.

In addition to the formal technical team, other internal and external experts were consulted on every task the technical teams were asked to complete. In this way, additional cooperation and collaboration was achieved.

8. Broad public participation is an essential element of developing and implementing these plans, the projects that are carried out while these plans are developed, and the species in greatest need of conservation. <u>Pages 2-4</u>.

Members of agencies, organizations, and the general public were kept apprised of the revision via an introductory letter, webpage updates, press releases, and four newsletters.

Appendix C: Progress report since implementation of the Comprehensive Fish & Wildlife Conservation Strategy

PROGRESS REPORT: THE FIRST SEVEN YEARS

Shortly after the U.S. Fish and Wildlife Service (USFWS) approved Montana's Comprehensive Fish and Wildlife Conservation Strategy (CFWCS) in 2006, a Montana Fish, Wildlife & Parks (FWP) Steering Committee began developing a companion document to identify an implementation planning process to further refine priorities identified in the CFWCS. Because of limited funds, it was not possible to fund projects addressing every species or every community type in the CFWCS. The Implementation Plan identified a subset of species and community types on which to focus efforts for the first six years (FWP 2006).

FWP received just over \$8.1M in State Wildlife Grant (SWG) funds since the 2006 CFWCS was approved. Although not everything in the Implementation Plan could be addressed with SWG funding, much work was done. FWP is able to track SWG funded work, but there are many other FWP projects funded through other means that address conservation actions found in the CFWCS and Implementation Plan. These projects may fulfill CFWCS actions incidentally, and therefore may not be recognized as CFWCS successes. In addition, any work other agencies and organizations may have conducted that have supported CFWCS actions is not tracked by FWP either. It is likely that many more actions have been addressed than FWP has the data for.

FWP intends to prudently track the implementation of the new State Wildlife Action Plan (SWAP) and subsequent Implementation Plan using methodologies and language outlined in the Association of Fish and Wildlife Agencies' (AFWA) *Measuring the Effectiveness of State Wildlife Grants – Final Report* (2011).

COMMUNITY TYPES

The community types below were identified in the 2006 Implementation Plan as habitats needing focused conservation efforts. What follows is a summary of accomplishments since CFWCS approval.

Mountain Streams, Prairie Rivers, and Prairie Streams: FWP has not implemented specific over-arching programs to include the conservation of these community types. However, the day-to-day activities of FWP's Fisheries Division, watershed groups, private landowners, and numerous state and federal resource agency partners, address most of the needs and priorities identified in the 2006 CFWCS. While there is no reasonable way to succinctly identify the extent of these efforts, particularly those guided by collaborating partners, FWP's *Statewide Fisheries Management Plan*, 2013 – 2018 (FWP 2013a) is a synthesis of FWP's programs and projects and projects that address management issues related to mountain streams, prairie rivers, and prairie streams. In addition, many conservation easements and fee title acquisitions consider water resources in the evaluations.

Aspens: FWP has secured multiple conservation easements and fee title acquisitions that include healthy or in need of restoration aspen habitat. Habitat acquisition projects such as the Little Doney Lake Project that secured over 2,500 acres of mixed conifer and aspen habitat adjacent to the Blackfoot Clearwater Wildlife Management Area (WMA) have benefited a number of high priority species to include common loons, trumpeter swans, grizzly bears, Canada lynx, and bull trout. As a high priority community type, biologists are actively looking to secure and/or restore aspen habitat when possible and to educate landowners on the importance of these habitats. FWP contributed to a University of Montana passerine and aspen research project in which the impacts of conifer removal on nesting success was quantified for use in future management decision making.

FWP also works with land management agencies, especially the U.S. Forest Service (USFS), on aspen enhancement and restoration. FWP has also implemented actions on FWP land to address confer encroachment in aspen stands.

Riparian and Wetlands: FWP has secured multiple conservation easements and fee title acquisitions that include healthy or in need of restoration riparian and wetland habitat. FWP has particularly targeted habitats in critical floodplain zones, habitats currently vegetated by non-native and invasive plant species, and habitats experiencing natural cottonwood regeneration from recent flooding events. Land acquisitions such as the 700-acre island in the lower Yellowstone River, have increased protections for important wetland habitats that support a large diversity of species such as great blue herons, bald eagles, and spiny softshell turtles. The addition of numerous conservation easements along the Milk River in northeast Montana have added protections to private lands and increased the use of conservation minded land management practices. At the Milk River WMA, dense cattail marshes were burned to reduce cattail cover and increase open water. Future water level management will be adjusted to prevent cattail expansion and increase wetland productivity.

Recommendations on the use of setbacks as well as the maintenance of the natural hydrologic and ecologic function of wetlands is described in FWP's recently released *Fish and Wildlife Recommendations for Subdivision Development in Montana* (FWP 2012). Biologists use these tools to encourage landowners to conserve wetland and riparian habitats. Private and government planning offices across Montana have been provided with this document as well; several are incorporating recommendations in the document.

<u>Sagebrush and Grassland Complexes</u>: FWP has secured multiple conservation easements and fee title acquisitions that include healthy or in need of restoration sagebrush and grassland habitat. FWP has particularly targeted lands in need of restoration and known to be critical nesting habitat for bird species such as the greater sage-grouse and Sprague's pipit. Efforts to restore native vegetation on existing FWP WMAs such as Cree Crossing and Hinsdale have provided nesting, winter roost, and secure migration habitat for a diversity of species.

Over 200 acres were seeded on the Moline Ranch conservation easement to ensure the remaining native sagebrush grassland breaks habitat provides cover and food resources for a diversity of species as well as connectivity to other native habitat pieces nearby.

SPECIES OF GREATEST CONSERVATION NEED

FWP and partners finished a number of planning tools that aim to conserve habitat for all of the species listed below. These efforts included the 2012 release of the *Fish and Wildlife Recommendations for Subdivision Development in Montana* (FWP 2012) and completion of the Crucial Areas Planning System (CAPS), a web-based mapping service. The subdivision recommendations provide advice to developers and homeowners on the use of setbacks as well as the maintenance of the natural hydrologic and ecologic function of wetlands. The recommendations also include sections specific to grasslands designed to reduce the loss of native prairie and maintain larger, intact sections of grassland habitat. In addition, this document provides recommendations to reduce conflicts with bears and other wildlife.

CAPS mapping service was aimed at future planning for a variety of development and conservation purposes so fish, wildlife, and recreational resources can be considered earlier in the development process. CAPS is part of a larger conservation effort that recognizes the importance of landscape scale management of species and habitats by fish and wildlife agencies. Agency biologists use these tools to encourage landowners, developers, and planners to conserve habitats critical to all Montana wildlife.

The species below were identified in the 2006 Implementation Plan as needing focused conservation efforts. What follows is a summary of accomplishments since CFWCS approval.

Northern Leopard Frog: Surveys throughout Montana as part of the statewide diversity monitoring effort (2008-2010) revealed continued presence of northern leopard frogs across the range. However, populations continue to be threatened by habitat loss and invasive species, such as the American bullfrog, particularly in the western part of the state. Efforts are ongoing to secure habitat at northern leopard frog breeding sites and efforts to eradicate bullfrogs are underway in many locations by partners and private landowners.

The eastern Montana northern leopard frog populations were downlisted from the Montana Species of Concern (SOC) list from 'potentially at risk' to 'apparently secure' in 2009 based on statewide population information. The western population remains an SOC species, highly vulnerable to extirpation.

Burrowing Owl: Conservation easements and habitat restoration in native prairie habitats were conducted throughout much of the Montana burrowing owl range. Burrowing owl monitoring was conducted in combination with prairie dog and mountain plover surveys. Burrowing owls were also recorded as part of the 'Integrated Monitoring by Bird Conservation Region' project (2009-2013). This type of monitoring began in 2009 and will continue through 2014 and is an efficient way of adding observations for multiple species to Montana species databases. Monitoring and multi-species conservation efforts that cover all prairie and grassland birds resulted in a downgrading of the Montana SOC rank for the burrowing owl from 'at risk' to 'potentially at risk'.

<u>Greater Sage-Grouse</u>: FWPs use of conservation easements, grazing management agreements, and term leases to conserve and enhance native rangeland have benefited habitat for greater sagegrouse and other sagebrush associated wildlife across greater sage-grouse range. FWP continues

to encourage conservation of important seasonal habitats in collaboration with the Natural Resources Conservation Service (NRCS), Bureau of Land Management (BLM), and private landowners using a core-area strategy. FWP has assisted with conservation efforts of the Sage-Grouse Initiative and is facilitating a Greater Sage-Grouse Habitat Conservation Advisory Council. This Council is comprised of citizens and constituents and will gather information, furnish advice, and provide recommendations on policies and actions to the Governor for a statewide greater sage-grouse strategy to preclude the need to list the greater sage-grouse under the Endangered Species Act (ESA). Among FWP's habitat conservation accomplishments is the enrollment of 198,000 acres of sagebrush conservation leases on priority private lands. FWP is leading a research effort in central Montana to quantify the impacts of different grazing systems on brood rearing and adult survival. The greater sage-grouse remains an 'at risk' species on the Montana SOC list.

Mountain Plover: Conservation easements were secured and habitat restoration in native grassland habitats was conducted in some mountain plover habitats in Montana. Vast occupied prairie dog habitat was documented in 2009, and since plovers are strongly associated with prairie dog colonies, this indicated that mountain plover populations are likely stable in Montana. Surveys conducted in 2011 and 2012 did not support this assumption however, since few plovers were found. Incidental observations outside of survey areas indicated continued plover occupancy throughout their range in Montana. This information contributed to a 'not warranted' for ESA listing finding by the USFWS in 2011. FWP encourages carefully managed grazing that maintains a mosaic of native grassland habitats to benefit mountain plovers as well as other species. Mountain plover habitat and species conservation measures have been established in many areas by various state and federal agencies. Mountain plovers remain an 'at risk' species on the Montana SOC list.

<u>Trumpeter Swan</u>: Efforts, such as those in the Blackfoot Valley, to reintroduce trumpeter swans have contributed not only to the restoration of the species but also to the public support for swan conservation. From 2005-2009, over 100 swans were released in the Blackfoot Valley in hopes that breeding pairs would eventually establish in the area and persist into the future. Five pairs established in the area in 2013 and four pairs nested, but only one pair successfully fledged young. Monitoring of these birds and their habitat will continue and possible future releases into the area will enhance restoration efforts. Discussions to restore trumpeter swans to places in southwest Montana are underway. FWP participation in The Greater Yellowstone Trumpeter Swan Working Group ensures Montana is involved in rangewide conservation of the species. A number of conservation easements and habitat restoration projects have been completed to provide habitat for swans. The Little Doney Lake Project secured over 2,500 acres of mixed conifer and aspen habitat adjacent to the Blackfoot Clearwater WMA. This species is considered 'potentially at risk' on the Montana SOC list.

Arctic Grayling: Since 2006, the focus of Arctic grayling restoration efforts in Montana include the implementation of the Candidate Conservation Agreement with Assurances (CCAA) for Arctic Grayling in the upper Big Hole River (Big Hole CCAA), and restoration of grayling to the Ruby River and Elk Lake (in the Centennial Valley). The goal of the Big Hole CCAA program is to increase distribution, abundance and resiliency of Big Hole Arctic grayling by improving, protecting, and making accessible habitats important to all life stages of the species. With over

30 landowners and 150,000 acres enrolled in the program, the Big Hole CCAA is currently the largest such effort in the United States. The program has resulted in improved stream flows and riparian and channel condition in more than 80 miles of stream and subsequently, grayling have increased in distribution and abundance. "Replication" of the remaining native Arctic grayling populations remains a focus of conservation efforts, and introductions of Big Hole grayling to the Ruby River have resulted in a naturally reproducing population. More recently, Red Rock Lakes' grayling were introduced to Elk Lake, a nearby but isolated lake that historically maintained an adfluvial grayling population. FWP is currently preparing a revised Montana Arctic Grayling Restoration Plan. The plan will include overall grayling restoration objectives, and identify opportunities to expand the species range in Montana. This species is a Montana SOC and is considered to be 'at high risk' of extirpation.

Blue Sucker: FWP has used standardized annual sampling efforts and targeted radio telemetry projects in the Missouri River (above and below Fort Peck Reservoir), Yellowstone River, and associated major tributaries to these rivers, to identify and characterize blue sucker home areas, spawning queues, migration paths, and spawn timing and locations. These projects have provided significant information on the status, life history strategies, and habitat use of blue suckers; however, spawning success and juvenile recruitment remains unclear in some areas. FWP has coordinated with the U.S. Bureau of Reclamation (BOR) in modeling and trial efforts to regulate spring water releases from impoundments on the Missouri River (above Fort Peck Reservoir) and the Marias River in a way that better mimics natural water regimes important for blue sucker spawning. Through 2013, trial releases have only occurred from Tiber Dam on the Marias River. Regulated flow releases and their impacts on water quality (e.g., temperature and turbidity) from Fort Peck Dam continue to be a concern, as are impediments to migration from dams on the Yellowstone River including the Intake and Cartersville diversions. This Montana SOC is considered both 'at risk' and 'potentially at risk' depending on the population.

Burbot: Though there are areas of concern for the species (e.g., Kootenai River, Yellowstone River), routine and targeted sampling of burbot continue to indicate a widespread distribution in their historic range, including periodically high abundances in some relatively cold and deep reservoirs. Owing to an apparent "stable status" in most waters, burbot specific research studies have not been a priority of the department between 2006 and 2013, an exception being a movement and habitat use study in the lower Yellowstone River. Angler exploitation is periodically monitored during water body specific creel surveys, and relative to their status and low harvest rates, current burbot exploitation has not been deemed a concern. FWP's understanding of burbot status and population characteristics continuously increases through existing sampling efforts, and where status concerns have been noted, e.g. Yellowstone River, additional studies are being considered. Burbot currently are not a Montana SOC, and are considered 'apparently secure' in Montana's state rank.

<u>Pallid Sturgeon</u>: As an ESA listed endangered species, pallid sturgeon receive considerable attention from FWP and other resource agencies. While the USFWS oversees recovery efforts for this sturgeon, the program is collaboratively developed and implemented through the Upper Basin Pallid Sturgeon Workgroup, of which FWP is a full participating member. Research efforts have resulted in considerable knowledge gained concerning the ecology and status of Pallid Sturgeon in the Missouri (above and below Fort Peck) and Yellowstone Rivers in Montana.

However, factors related to reservoir operations (particularly Fort Peck Reservoir) and passage (e.g., Intake Dam) in both drainages have not been addressed, and consequently sturgeon have not naturally recruited to the system in decades. Efforts to collect gametes from remaining wild adults (<120 individuals) has been very successful, and the subsequent introduction and high survival rate of resulting juvenile sturgeon ensures the persistence of the species in Montana for the foreseeable future. FWP has been closely involved in efforts to address passage concerns at Intake Dam, and is involved in planning efforts to create more natural flow regimes from reservoirs on the Missouri River above Fort Peck. Restoration of critical habitats, removal of barriers to migration, and minimizing the water quality impacts of reservoirs will continue to be a focus of FWP efforts for long-term pallid sturgeon recovery, which includes self-sustaining persistence. Pallid sturgeon are a Montana SOC and are considered to be 'at high risk' of extirpation.

Westslope and Yellowstone Cutthroat Trout: Conservation and restoration of both subspecies of cutthroat trout continue to be a primary focus of general management activities and cutthroat specific programs in FWP Regions 1 - 5. Though the type of programs being implemented vary by location, generally efforts focus on habitat restoration; maintaining connectivity (e.g., removing barriers to movement) where the migratory life form is prevalent; reintroduction genetically "pure" cutthroat to historically occupied streams; "replicating" existing aboriginal populations; placement of barriers to non-native fish; and in some locations the removal of nonnative trout species to reduce or eliminate competition and hybridization. Notable projects among the many efforts implemented over the last several years include the introduction of westslope cutthroat trout (WCT) to 65 miles of stream in the Cherry Creek drainage (Madison River basin); an on-going effort to remove hybridized trout from headwater lakes in the South Fork of the Flathead River drainage which will ultimately result in the removal of primary threats to WCT in nearly 1,900 miles of stream; and reintroduction of Yellowstone cutthroat trout (YCT) to 25 miles of stream in the Sage Creek drainage (Shoshone River basin). These, and numerous other similar efforts, are developed and implemented by both management biologists and biologists specifically dedicated to cutthroat conservation efforts. On a statewide level, cutthroat trout conservation efforts are guided by the Memorandum of Understanding and Conservation Agreement for Westslope and Yellowstone Cutthroat Trout in Montana (FWP 2007), and the Yellowstone Cutthroat Trout Conservation Strategy for Montana (FWP 2013b). Both cutthroat species are on the Montana SOC list and are considered to be 'at risk'.

Grizzly Bear: Efforts to reduce human-caused mortality and proactively manage human-bear conflicts were carried out in all three grizzly bear recovery areas of Montana. Full time bear specialists worked across Montana to reduce conflicts by encouraging appropriate food and garbage storage and appropriate behavior while hunting or recreating in grizzly bear country. FWP participation in the Interagency Grizzly Bear Study Team and the ecosystem management teams ensures managers' concerns and conservation priorities are noted in the large scheme of conservation. A number of conservation easements or habitat restoration projects were conducted to provide habitat for grizzlies. This included the Little Doney Lake Project that secured over 2,500 acres of mixed conifer and aspen habitat adjacent to the Blackfoot Clearwater WMA. The grizzly bear is on the Montana SOC list and one population is considered to be 'at risk' while the other populations are considered to be 'potentially at risk'.

Black-tailed Prairie Dog: FWP led efforts to identify the highest priority prairie dog complexes in Montana and explore opportunities for landowner incentive or stewardship programs to keep prairie dogs on these complexes. Statewide mapping was conducted in 2009, and later five of the largest prairie dog complexes were mapped and ground-truthed to inform ongoing conservation discussions. Discussions with partners such as the NRCS and the Western Association of Fish and Wildlife Agencies (WAFWA) are ongoing to identify funding sources for landowner incentives and to focus conservation in some of these large complexes.

FWP is a partner in development and testing of the oral sylvatic plague vaccine and is supporting the field efficacy trials underway in northeast Montana. The Montana Prairie Dog Working Group continues to meet annually to establish the highest priority conservation needs for the species across the state.

These above efforts and the data collected during surveys contributed to the 'not warranted' finding for the black-tailed prairie dog issued by the USFWS in 2009. This species is a Montana SOC species and is considered 'potentially at risk'.

White-tailed Prairie Dog: Translocation of white-tailed prairie dogs (WTPD) in south central Montana was intended to reestablish the species at colonies from which they had been extirpated and to provide prey and habitat for a variety of other wildlife. Translocation was also intended to ensure maintenance of a viable population of WTPDs in Montana. FWP translocated 44 prairie dogs within Carbon County with these intentions in mind and to remove individuals at colonies under threat from highway re-alignment. WTPD conservation in Montana also benefitted from FWP's leadership of the Montana Prairie Dog Working Group as well as involvement with WAFWA efforts to conserve prairie dogs. This species is on the Montana SOC list and is considered to be 'at high risk' of extirpation.

Spiny Softshell Turtle: FWP has conducted spiny softshell surveys on both the Yellowstone and Missouri Rivers over the past six years. Results of these surveys did not change the Montana SOC status from a species 'potentially at risk'. The threats to this species remain the same, e.g., interrupted natural hydrologic regime by dams and reservoirs. FWP partnered with Montana State University to conduct a habitat use study of spiny softshells on the Missouri River in 2010. Telemetry data indicated turtles could move long distances, with some movements of over 25 river miles. Island nests were difficult to find but intensive nest searching confirmed that nests are most susceptible to predators and changing water levels. Habitat conservation efforts along both the Yellowstone and Missouri Rivers provide critical habitat to spiny softshells and will continue to be a focus of FWP river and shoreline conservation projects.

SPECIES GROUPS OF GREATEST INVENTORY NEED

The following species groups were targeted for inventory in the 2006 Implementation Plan as there were not enough data to determine their level of conservation need. This summary outlines the progress to fill those data gaps.

<u>Bats</u>: Acoustic bat monitoring has been conducted at dozens of FWP properties, including conservation easements and WMAs, to bolster bat presence data within Montana databases. FWP

has partnered with the Montana Natural Heritage Program (MNHP) and cavers in Montana to gather information on cave use by bats to include data on maternity colonies and hibernacula. Since 2010, eight new hibernacula and dozens of new roost sites have been recorded. A network of over 50 long-term bat acoustic monitoring stations have been deployed across the state to gather baseline data on bat presence and activity levels.

<u>Mussels</u>: A three-year SWG-funded study, completed in 2009, documented the occurrence and distribution of three native and three introduced mussel species in Montana and Idaho. Approximately 1,150 sites were sampled during the comprehensive inventory effort that included all major drainages in Montana. Five of six mussel species were found to have secure populations, and in some cases were expanding their distribution. A notable concern was a significant reduction in the range of the native western pearlshell mussel. Owing to this reduced distribution and continued threats, the pearlshell was identified as a species at risk and classified as a Montana SOC in 2008. The western pearlshell remains a focus of inventory efforts and experimental translocation projects in the Blackfoot drainage. This inventory project was summarized in a 2010 report titled *Freshwater Mussels in Montana: Comprehensive Results from 3 years of SWG funded Surveys* (Stagliano 2010).

<u>Prairie Fish</u>: Between 1999 and 2007, prairie fish assemblages were sampled at nearly 1,700 sites in FWP Regions 4 – 7. A majority of these sites were of small, warm water streams that had not been previously sampled and included sites in the three major eastern Montana drainages – the Little Missouri, Missouri, and Yellowstone Rivers. Thirty-two native and 21 introduced species were captured during the project, and of the 500,000 fish collected, 92% were native. These efforts were summarized by in a report titled *Synthesis of Montana Prairie Stream Fish Surveys*, 1999 – 2007 (Bramblett 2008). The surveys and report provides a foundation for future monitoring efforts and the basis for additional work to conserve these communities. Beyond this project, FWP continues to complete annual monitoring efforts for all species in the larger rivers in eastern Montana, often related to pallid sturgeon recovery efforts. Finally, work has been recently completed documenting the importance of connectivity between large prairie rivers and their tributaries (Duncan et al. 2012).

Reptiles: Terrestrial reptile surveys were conducted during the three-year Diversity Monitoring project (2008-2010). All south-facing rocky slopes were surveyed for reptiles within randomly selected sites across the state. Eight species were detected during Diversity Monitoring surveys and a number of range expansions were noted which included range expansions for all three Montana gartersnake species. Dozens of FWP properties including conservation easements and WMAs were also surveyed for reptiles as part of region-based monitoring. Data collected from all of this work filled many of the existing occupancy gaps for individual species. Spiny softshells were surveyed on both the Yellowstone and Missouri Rivers as part of specific monitoring or research projects.

Shorebirds: Shorebirds were recorded incidentally during the 2009-2010 Montana colonial waterbird surveys as well as during the multi-species 'Integrated Monitoring by Bird Conservation Region' project (2009-2013). Targeted shorebird surveys were not conducted, as monitoring of other species groups was identified as a higher priority.

DIVERSITY MONITORING

Many of the 500+ vertebrate species found in Montana lacked formal status assessments previous to 2008. Few monitoring efforts existed for these species and very few were statewide in scope, including both public and private lands. In 2008, MNHP and FWP designed a protocol for simultaneous multi-species survey for a three-year SWG-funded statewide effort. Quarterquadrangle grid cells were selected at random across Montana. Within each cell all lentic sites were surveyed for amphibians and all south-facing rocky slopes were surveyed for reptiles. Dominant habitats within the cells were surveyed for bats using acoustic detectors and smallmammals using standard trap line techniques. The largest challenges included: securing private landowner contact information and permission, automating map creation for the hundreds of selected cells, preserving collected specimens, maintaining working acoustic equipment in inclement weather, housing and backing up huge amounts of data from remote locations, and analyzing large quantities of acoustic data. Data showed an investment of over 20,000 person hours for a total of 211 grid cells surveyed; 40 small mammal species detected in 2,486 captures; 16 bat species detected through thousands of acoustic calls; 12 amphibian species and eight reptile species detected; and 304 species detected as incidental observations. Numerous SOCs were detected and numerous range extensions were identified through this work. Occupancy modeling was conducted for many of the species detected.

Citation

- Association of Fish and Wildlife Agencies. 2011. Measuring the Effectiveness of State Wildlife Grants Final Report. 178 pp.
- Bramblett, B. 2008. Synthesis of Montana prairie stream fish surveys, 1999-2007. Technical Report prepared for Montana Fish, Wildlife and Parks. 106 pp.
- Duncan, M. B., R. G. Bramblett, and A. V. Zale. 2012. Distribution, habitats, and tributary linkages of small and nongame fishes in the lower Yellowstone River. Montana Fish, Wildlife & Parks University Research Completion Report Series Number 2012-01.
- Montana Fish, Wildlife & Parks. 2006. Implementation Planning Process for Montana's Comprehensive Fish and Wildlife Conservation Strategy, 2005-2011.
- Montana Fish, Wildlife & Parks. 2007. Memorandum of Understanding and Conservation Agreement for Westslope Cutthroat and Yellowstone Cutthroat Trout in Montana. 37 pp.
- Montana Fish, Wildlife & Parks. 2012. Fish and Wildlife Recommendations for Subdivision Development in Montana: A Working Document. Montana Fish, Wildlife & Parks, Helena, Montana. 174 pp.
- Montana Fish, Wildlife & Parks. 2013a. Montana Statewide Fisheries Management Plan, 2013-2018. Montana Fish, Wildlife & Parks, Helena, Montana. 478 pp.
- Montana Fish, Wildlife & Parks. 2013b. Yellowstone Cutthroat Trout Conservation Strategy for Montana. Montana Fish, Wildlife & Parks, Helena, MT. 228 pp.

Stagliano, D. 2010. Freshwater mussels in Montana: comprehensive results from 3 years of SWG funded surveys. Montana Natural Heritage Program, Helena, Montana. 75 pp.

Appendix D: Questions asked Montana Fish, Wildlife & Parks employees via Survey Monkey prior to starting the State Wildlife Action Plan revision

COMPREHENSIVE FISH AND WILDLIFE CONSERVATION STRATEGY (CFWCS)

FWP's first CFWCS was submitted to the U.S. Fish and Wildlife Service in December 2005. All states are required to update their strategies by December 2015. FWP has committed to completing the CFWCS update by December 2013.

The following questions refer to the current strategy and the strategy update process.			
13. Did you participate in the development of the CFCWS? Yes No			
14. Were you satisfied with your participation in the development process? Yes Somewhat No			
15. Were you satisfied with the development/planning process overall? Yes Somewhat No			
The following topics are being considered for inclusion in the CFWCS update: game species, invertebrates (aquatic and terrestrial), climate change, connectivity, sensitive plant species addendum, and a wetland conservation strategy addendum.			
16. Please provide your opinion about including any or all of components listed above in the CFWCS update.			
17. Please describe any particular section/topic (existing or proposed) you feel should be added removed, or elaborated on in the CFWCS update.			
18. What can be done to make the final CFWCS product more user friendly?			

Appendix E: List of external agencies and organizations met with to discuss the previous Comprehensive Fish and Wildlife Conservation Strategy prior to starting revision

Agency/Organization	Number of Staff
Montana Natural Heritage Program	3
National Park Service	1
U.S. Fish and Wildlife Service	2
U.S. Forest Service	5
American Wildlands	2
Center for Large Landscape Conservation	2
Defenders of Wildlife	3
Intermountain Joint Venture	1
Montana Audubon	1
National Wildlife Federation	2
The Nature Conservancy	1
The Wilderness Society	3
Wildlife Conservation Society	2

Appendix F: State Wildlife Action Plan revision guidance document, 27 March 2012

FINAL PROBLEM STATEMENT

FWP must revise the SWAP in a way that 1) guides decision making and prioritizes species and community types of greatest conservation need, 2) identifies and prioritizes threats to species and community types, 3) implements monitoring, inventory, and conservation of species, community types, and habitat, 4) incorporates effectiveness measures, 5) maximizes funding opportunities and partnerships, and 6) meets the Federal requirements (eight elements).

OBJECTIVES

Fundamental

The focus of the SWAP must be clearly understood and accepted.

The focus of the SWAP is community types and species of concern.

The SWAP should consider all fish and wildlife species' needs to prioritize habitat and Community Types of Greatest Conservation Need (CTGCN).

It must be clear how the SWAP fits into the overall department strategic plan.

• There must be integration with existing plans.

SWAP buy-in within FWP and external to FWP must be maximized.

• Maximize relevancy

The SWAP must deliver effective, strategic conservation.

- The SWAP must be usable for agency prioritization.
- The SWAP must minimize waste of time.
- The SWAP must minimize waste of money.
- Use existing plans where appropriate.
- Use existing processes where appropriate.

The SWAP must be effective for obtaining SWG dollars (eight required elements).

Means

The SWAP strategies must be incorporated into program and staff work plans.

The Species of Greatest Conservation Need (SGCN) will be the species found on the Species of Concern (SOC) list. The existing process for making changes to the SOC list will be included in the SWAP to ensure that the SOC list is always current.

The SWAP will use the SOC list to help prioritize CTGCN and SGCN.

The SWAP will identify and prioritize where conservation efforts should be focused.

The SWAP will consider habitat for all fish and wildlife species when prioritizing CTGCN.

The SWAP will utilize existing conservation tools (e.g., CAPS, the SOC list) to prioritize CTGCN.

The SWAP will only address species on the SOC list (SGCN) and CTGCN.

The SWAP will identify species on the SOC list that may be on the list due to lack of information. These species make be targeted for survey and inventory.

The SWAP will dovetail with existing FWP plans, identify what is currently being done, and incorporate existing efforts into the SWAP's strategies (e.g., Habitat Montana Plan, species specific management plans, recovery plans).

The SWAP will identify a process to aid FWP in prioritizing work for CTGCN and SGCN.

The SWAP must identify and track realistic benchmarks to demonstrate that FWP is maximizing efficiency.

The SWAP will include potential impacts of climate change, where applicable, when prioritizing community types and SGCN.

To keep the document relevant, the SWAP will identify a process to regularly (e.g., every five years) assess and, if necessary, modify CTGCN.

Appendix G: Lakes and reservoirs whose Tier ranks were increased because of importance to one or more SGCN

Lowland Lakes (17)

Dickey Lake Rainy Lake

Elk Lake Red Rock Lake, lower Flathead Lake Red Rock Lake, upper

Gehring Pond Seeley Lake
Glen Lake Sophie Lake
Holland Lake Swan Lake

Lake Alva Upper Stillwater Lake
Lake Inez Whitefish Lake

McDonald Lake

Lowland Reservoirs (7)

Cabinet Gorge Reservoir
Fort Peck Reservoir
Hungry Horse Reservoir
Thompson Falls Reservoir

Lake Koocanusa

Mountain Lakes (37)

Akokala Lake Lower Quartz Lake Middle Quartz Lake Arrow Lake Big Salmon Lake Mussigbrod Lake Bowman Lake Otatso Lake Bull Lake Pintler Lake Ouartz Lake Cerulean Lake Rogers Lake Cherry Lake Cracker Lake Silver Lake Cyclone Lake Slide Lake Frozen Lake Squaw Lake Granite Lake Storm Lake Harrison Lake Tally Lake Trout Lake Kintla Lake

Lake Isabel Twin Lake (FWP Region 3)
Lincoln Lake Twin Lake, lower (FWP Region 2)
Lindbergh Lake Twin Lake, upper (FWP Region 2)

Little Therriault Lake

Logging Lake

Upper Kintla Lake

Upper Whitefish Lake

Lower Miner Lakes

Mountain Reservoirs (2)

East Fork Reservoir Painted Rocks Reservoir

Appendix H. Tiered Community Types

Aquatic Community Types

Community Type	Tier
Intermountain Valley Rivers	I
Intermountain Valley Streams	I
Mixed Source Rivers	I
Mountain Streams	I
Prairie Rivers	I
Prairie Streams	I
Select Lowland Lakes (52)	I
Select Mountain Lakes (36)	I
Select Lowland Reservoirs (12)	I
Select Mountain Reservoirs (1)	I
Lowland Lakes	II
Mountain Lakes	II
Lowland Reservoirs	III
Mountain Reservoirs	III

Terrestrial Community Types

Ecoregion	Community Type	Tier
Canadian Rockies	Alpine Sparse or Barren & Alpine Grassland and Shrubland	I
Canadian Rockies	Conifer-dominated Forest and Woodland (xeric-mesic)	I
Canadian Rockies	Deciduous Shrubland	I
Canadian Rockies	Floodplain and Riparian	I
Canadian Rockies	Montane Grassland	I
Canadian Rockies	Open Water	I
Canadian Rockies	Wetlands	I
Canadian Rockies	Cliff, Canyon, and Talus	II
Canadian Rockies	Conifer-dominated Forest and Woodland (mesic-wet)	II
Canadian Rockies	Deciduous Dominated Forest and Woodland	II
Canadian Rockies	Harvested Forest	II
Canadian Rockies	Mixed Deciduous/Coniferous Forest and Woodland	II
Canadian Rockies	Recently Burned	II
Canadian Rockies	Agriculture	III
Canadian Rockies	Developed	III
Canadian Rockies	Lowland/Prairie Grassland	III
Canadian Rockies	Sagebrush Steppe & Sagebrush-dominated Shrubland	III
Idaho Batholith	Conifer-dominated Forest and Woodland (mesic-wet)	I
Idaho Batholith	Conifer-dominated Forest and Woodland (xeric-mesic)	I
Idaho Batholith	Deciduous Dominated Forest and Woodland	I
Idaho Batholith	Deciduous Shrubland	I
Idaho Batholith	Floodplain and Riparian	I
Idaho Batholith	Montane Grassland	I
Idaho Batholith	Open Water	I
Idaho Batholith	Wetlands	I

Ecoregion	Community Type	Tier
Idaho Batholith	Alpine Sparse or Barren & Alpine Grassland and Shrubland	II
Idaho Batholith	Cliff, Canyon, and Talus	II
Idaho Batholith	Harvested Forest	II
Idaho Batholith	Recently Burned	II
Idaho Batholith	Agriculture	III
Idaho Batholith	Developed	III
Idaho Batholith	Mixed Deciduous/Coniferous Forest and Woodland	III
Idaho Batholith	Sagebrush Steppe & Sagebrush-dominated Shrubland	III
Middle Rockies	Conifer-dominated Forest and Woodland (xeric-mesic)	I
Middle Rockies	Deciduous Dominated Forest and Woodland	I
Middle Rockies	Floodplain and Riparian	I
Middle Rockies	Montane Grassland	I
Middle Rockies	Open Water	I
Middle Rockies	Sagebrush Steppe & Sagebrush-dominated Shrubland	I
Middle Rockies	Wetlands	I
Middle Rockies	Alpine Sparse or Barren & Alpine Grassland and Shrubland	II
Middle Rockies	Conifer-dominated Forest and Woodland (mesic-wet)	II
Middle Rockies	Deciduous Shrubland	II
Middle Rockies	Harvested Forest	II
Middle Rockies	Lowland/Prairie Grassland	II
Middle Rockies	Recently Burned	II
Middle Rockies	Agriculture	III
Middle Rockies	Bluff, Badland, and Dune	III
Middle Rockies	Cliff, Canyon, and Talus	III
Middle Rockies	Developed	III
Middle Rockies	Introduced Vegetation	III
Middle Rockies	Mining	III
Middle Rockies	Mixed Deciduous/Coniferous Forest and Woodland	III
Middle Rockies	Scrub and Dwarf Shrubland	III
Northern Rockies	Conifer-dominated Forest and Woodland (mesic-wet)	I
Northern Rockies	Conifer-dominated Forest and Woodland (xeric-mesic)	I
Northern Rockies	Deciduous Shrubland	Ī
Northern Rockies	Floodplain and Riparian	Ī
Northern Rockies	Montane Grassland	I
Northern Rockies	Open Water	I
Northern Rockies	Wetlands	I
Northern Rockies	Harvested Forest	II
Northern Rockies	Recently Burned	II
Northern Rockies	Agriculture	III
Northern Rockies	Alpine Sparse or Barren & Alpine Grassland and Shrubland	III
Northern Rockies	Cliff, Canyon, and Talus	III
Northern Rockies	Deciduous Dominated Forest and Woodland	III
Northern Rockies	Developed	III
Northern Rockies	Introduced Vegetation	III
Northern Rockies	Mining	III
Northern Rockies	Mixed Deciduous/Coniferous Forest and Woodland	III
Northwestern Glaciated Plains	Deciduous Dominated Forest and Woodland	I
Northwestern Glaciated Plains	Floodplain and Riparian	Ī
1.51th restorm Glaciated Flams	2 To opinin una rapuran	-

Ecoregion	Community Type	Tier
Northwestern Glaciated Plains	Lowland/Prairie Grassland	I
Northwestern Glaciated Plains	Montane Grassland	I
Northwestern Glaciated Plains	Open Water	I
Northwestern Glaciated Plains	Sagebrush Steppe & Sagebrush-dominated Shrubland	I
Northwestern Glaciated Plains	Wetlands	I
Northwestern Glaciated Plains	Bluff, Badland, and Dune	II
Northwestern Glaciated Plains	Conifer-dominated Forest and Woodland (xeric-mesic)	II
Northwestern Glaciated Plains	Deciduous Shrubland	II
Northwestern Glaciated Plains	Agriculture	III
Northwestern Glaciated Plains	Cliff, Canyon, and Talus	III
Northwestern Glaciated Plains	Conifer-dominated Forest and Woodland (mesic-wet)	III
Northwestern Glaciated Plains	Developed	III
Northwestern Glaciated Plains	Harvested Forest	III
Northwestern Glaciated Plains	Introduced Vegetation	III
Northwestern Glaciated Plains	Mixed Deciduous/Coniferous Forest and Woodland	III
Northwestern Glaciated Plains	Recently Burned	III
Northwestern Glaciated Plains	Scrub and Dwarf Shrubland	III
Northwestern Great Plains	Conifer-dominated Forest and Woodland (xeric-mesic)	I
Northwestern Great Plains	Deciduous Dominated Forest and Woodland	I
Northwestern Great Plains	Floodplain and Riparian	I
Northwestern Great Plains	Lowland/Prairie Grassland	I
Northwestern Great Plains	Montane Grassland	Ī
Northwestern Great Plains	Open Water	Ī
Northwestern Great Plains	Sagebrush Steppe & Sagebrush-dominated Shrubland	Ī
Northwestern Great Plains	Wetlands	I
Northwestern Great Plains	Bluff, Badland, and Dune	II
Northwestern Great Plains	Deciduous Shrubland	II
Northwestern Great Plains	Agriculture	III
Northwestern Great Plains	Alpine Sparse or Barren & Alpine Grassland and Shrubland	III
Northwestern Great Plains	Cliff, Canyon, and Talus	III
Northwestern Great Plains	Conifer-dominated Forest and Woodland (mesic-wet)	III
Northwestern Great Plains	Developed	III
Northwestern Great Plains	Harvested Forest	III
Northwestern Great Plains	Introduced Vegetation	III
Northwestern Great Plains	Mining	III
Northwestern Great Plains	Mixed Deciduous/Coniferous Forest and Woodland	III
Northwestern Great Plains	Recently Burned	III
Northwestern Great Plains	Scrub and Dwarf Shrubland	III
	Conifer-dominated Forest and Woodland (xeric-mesic)	I
Wyoming Basin	· · · · · · · · · · · · · · · · · · ·	
Wyoming Basin	Floodplain and Riparian Lowland/Prairie Grassland	I
Wyoming Basin		I
Wyoming Basin	Open Water	I
Wyoming Basin	Sagebrush Steppe & Sagebrush-dominated Shrubland	I
Wyoming Basin	Scrub and Dwarf Shrubland	I
Wyoming Basin	Wetlands	I
Wyoming Basin	Bluff, Badland, and Dune	II
Wyoming Basin	Cliff, Canyon, and Talus	II
Wyoming Basin	Agriculture	III

Ecoregion	Community Type	Tier
Wyoming Basin	Deciduous Dominated Forest and Woodland	III
Wyoming Basin	Deciduous Shrubland	III
Wyoming Basin	Developed	III
Wyoming Basin	Introduced Vegetation	III
Wyoming Basin	Montane Grassland	III

Appendix I: Factors considered in the identification of regional aquatic and terrestrial Focal Areas for Montana's State Wildlife Action Plan revision

Primary considerations

- 1. Species of Greatest Conservation Need presence, distribution, and richness *data layers and expert knowledge*
- 2. Community Types of Greatest Conservation Need Tier I will have the highest consideration data layers and expert knowledge
- 3. Current impacts (e.g., oil and gas, roads) data layers and expert knowledge
- 4. Future threats (e.g., urban development, resource extraction) data layers and expert knowledge

Magnitude

- Area affected throughout (>50%) OR most or all species affected (>50%) OR severe damage or loss
- Widespread (15-50%) OR many affected (25-50%) OR significant damage
- Scattered (5-15%) OR some affected (5-25%) OR moderate damage
- Local or none (<5%) OR few or none affected (<5%) OR little or no damage

Urgency

- Imminent; now 3 years; High probability (50-100%)
- Near term; 3-10 years; Moderate probability (10-49%)
- Long term; > 10 years; Low probability or none (0-9%)
- 5. Large intact landscape blocks *data layers* (Terrestrial Focal Areas only)
- 6. Connectivity data layers and expert knowledge

Secondary considerations (in no particular order)

- 1. Other important species and their associated habitat needs data layers and expert knowledge
- 2. Likelihood that SGCN populations and community types will persist for the foreseeable future (the next 20-30 years), if current conditions prevail *expert knowledge*
 - Native communities are non-existent and/or native species have been extirpated
 - Poor Viability High risk of community type or SGCN extirpation
 - Fair Viability Conditions are non-optimal, such that persistence is uncertain OR likely to persist but not necessarily maintain current or historical size/area
 - Good Viability Conditions are *favorable* for persistence of community types and SGCN; likely will continue into foreseeable future in the current condition or better (e.g., habitat will improve or SGCN population size will increase)

- Excellent Viability Conditions are *optimal* for persistence of community types and SGCN; likely will continue into foreseeable future in the current condition or better (e.g., habitat will improve or SGCN population size will increase)
- 3. Restoration opportunities for SGCN and Community Types *expert knowledge*
 - Irreversible
 - Reversible with difficulty and high expense/effort
 - Reversible with some difficulty and moderate expense/effort
 - Easily reversible with low expense/effort
- 4. Land protection status data layers
- 5. Irrigation impacts/dewatering expert knowledge
- 6. SGCN Climate Change Vulnerability Assessment data layers
- 7. Uniqueness or rarity *expert knowledge*
- 8. Watershed integrity *data layers* (Aquatic Focal Areas only)
- 9. Future fisheries projects (existing investments) *data layers and expert knowledge* (Aquatic Focal Areas only)
- 10. Value (e.g., wild and scenic rivers) *data layers* (Aquatic Focal Areas only)

Social considerations

Relationships with landowners should be considered when identifying Focal Areas, though the first consideration must be to identify areas in Montana that are in greatest need of conservation, despite land ownership. Obviously cooperative landowners are necessary to implement actions on private land, but speculating if a landowner will be cooperative should not prevent an area from being *identified* as a Focal Area. Working collaboratively with landowners in subsequent steps (e.g., during the development of project work plans) will be necessary.

Appendix J: Tier I Aquatic Focal Areas

<u>Tier I. Greatest conservation need.</u> There is a clear obligation to use resources to implement conservation actions that provide direct benefit to these areas.

Ninety-three Tier I aquatic Focal Areas were identified. These ranged in size from a small mountain stream to the entire length of a major river. The larger Focal Areas were generally found in eastern Montana, where many Species of Greatest Conservation Need (SGCN) were found in the same water body. The approach to identify Focal Areas in western Montana was different as multiple SGCN ranges generally did not overlap. Many western Focal Areas were identified using a single species approach instead of the multi-species approach in the east. Therefore, large, single-system Focal Areas were identified in the east, and smaller Focal Areas in the west.

The Species of Greatest Conservation Need commonly found within each Focal Area are listed below. If you would like more information (e.g., other species, threats, and impacts) on individual Focal Areas, please contact FWP at mtswap@mt.gov.

While these areas were chosen to focus conservation efforts, it is not implied that efforts only be restricted to these areas.

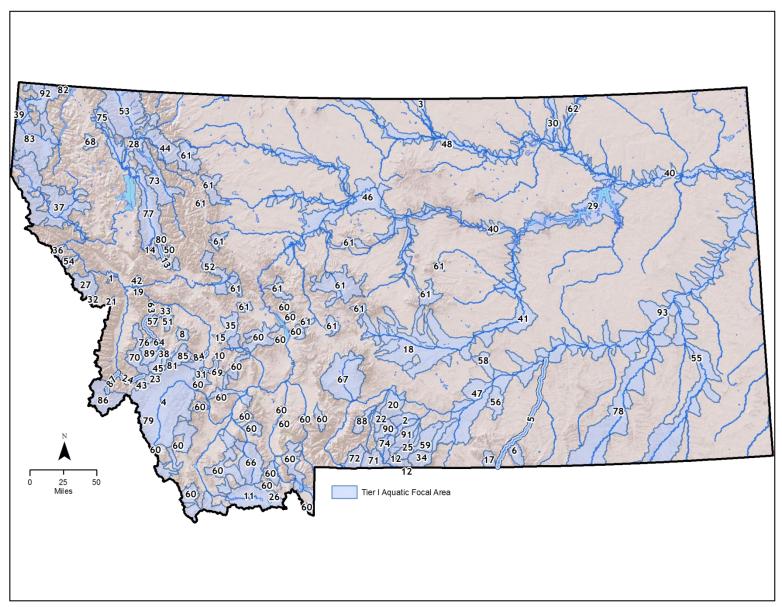


Figure 131. Tier I Aquatic Focal Areas

Number	Focal Area Name	Species
1	Albert Creek	Bull Trout
		Westslope Cutthroat Trout
2	Bad Canyon	Yellowstone Cutthroat Trout
3	Battle Creek	Iowa Darter
		Northern Redbelly Dace
		Sauger
4	Big Hole – Grayling	Arctic Grayling
		Lake Trout
		Western Pearlshell
		Westslope Cutthroat Trout
5	Bighorn River – linear	Sauger
		Sturgeon Chub
6	Black Canyon	Sauger
		Yellowstone Cutthroat Trout
7	Blacktail Creek	Westslope Cutthroat Trout
8	Boulder Creeks	Bull Trout
		Westslope Cutthroat Trout
9	Browns Gulch – linear	Western Pearlshell
		Westslope Cutthroat Trout
10	Browns Gulch	Western Pearlshell
		Westslope Cutthroat Trout
11	Centennial	Arctic Grayling
		Lake Trout
		Westslope Cutthroat Trout
12	Clarks Fork	Yellowstone Cutthroat Trout
13	Clearwater River – linear	Bull Trout
		Western Pearlshell
		Westslope Cutthroat Trout
14	Clearwater – Deer	Bull Trout
		Western Pearlshell
		Westslope Cutthroat Trout
15	Cottonwood Creek - Clark Fork	Westslope Cutthroat Trout
16	Cottonwood Creek – North	Bull Trout
		Westslope Cutthroat Trout
17	Crooked Creek	Yellowstone Cutthroat Trout
18	Dace Distribution	Northern Redbelly Dace
		Northern Redbelly x Finescale Dace
		Westslope Cutthroat Trout

Number	Focal Area Name	Species
19	Deer Creek	Bull Trout
		Westslope Cutthroat Trout
20	Deer Creeks	Yellowstone Cutthroat Trout
21	Dick Creek	Bull Trout
		Westslope Cutthroat Trout
22	East Boulder	Yellowstone Cutthroat Trout
23	East Fork Bitterroot River	Bull Trout
		Westslope Cutthroat Trout
24	East Fork Bitterroot River – linear	Bull Trout
		Western Pearlshell
		Westslope Cutthroat Trout
25	East Rosebud	Yellowstone Cutthroat Trout
26	Elk Lake – Lake Trout	Arctic Grayling
		Lake Trout
		Westslope Cutthroat Trout
27	Fish Creek	Bull Trout
		Westslope Cutthroat Trout
28	Flathead	Bull Trout
		Pygmy Whitefish
		Westslope Cutthroat Trout
29	Fort Peck 2	Blue Sucker
		Paddlefish
		Pallid Sturgeon
		Sauger
30	Frenchman	Iowa Darter
31	German Gulch	Westslope Cutthroat Trout
32	Granite Creek	Bull Trout
		Westslope Cutthroat Trout
33	Harvey Creek	Bull Trout
		Westslope Cutthroat Trout
34	Lake Fork of Rock Creek	Yellowstone Cutthroat Trout
35	Little Blackfoot	Westslope Cutthroat Trout
36	Little Joe Creek	Bull Trout
		Westslope Cutthroat Trout
37	Lower Clark Fork	Bull Trout
		Western Pearlshell
		Westslope Cutthroat Trout
38	Lower East Fork Rock Creek	Bull Trout

38 Lower East Fork Rock Creek 39 Lower Kootenai Bull Trout Columbia Basin Redband Trout Torrent Sculpin Western Pearlshell Westslope Cutthroat Trout White Sturgeon 40 Lower Missouri Blue Sucker	
Columbia Basin Redband Tro Torrent Sculpin Western Pearlshell Westslope Cutthroat Trout White Sturgeon	
Torrent Sculpin Western Pearlshell Westslope Cutthroat Trout White Sturgeon	
Western Pearlshell Westslope Cutthroat Trout White Sturgeon	le Dace
Westslope Cutthroat Trout White Sturgeon	le Dace
White Sturgeon	le Dace
	le Dace
40 Lower Missouri Blue Sucker	le Dace
	le Dace
Iowa Darter	le Dace
Northern Redbelly Dace	le Dace
Northern Redbelly x Finesca	
Paddlefish	
Pallid Sturgeon	
Pearl Dace	
Sauger	
Shortnose Gar	
Sicklefin Chub	
Sturgeon Chub	
41 Lower Musselshell Blue Sucker	
Northern Redbelly Dace	
Northern Redbelly x Finesca	le Dace
Sauger	
42 Lower Rattlesnake Creek Bull Trout	
Westslope Cutthroat Trout	
43 Meadow Creek – Bitterroot Bull Trout	
Westslope Cutthroat Trout	
44 Middle Fork Flathead River – Non-wilderness Bull Trout	
Westslope Cutthroat Trout	
45 Middle Fork Rock Creek Bull Trout	
Westslope Cutthroat Trout	
46 Middle Missouri Blue Sucker	
Northern Redbelly Dace	
Northern Redbelly x Finesca	le Dace
Paddlefish	
Pallid Sturgeon	
Sauger	
Sturgeon Chub	
47 Middle Yellowstone/Lower Clark Fork Sauger	
Yellowstone Cutthroat Trout	

Number	Focal Area Name	Species
48	Milk River	Blue Sucker
		Iowa Darter
		Northern Redbelly Dace
		Northern Redbelly x Finescale Dace
		Paddlefish
		Pallid Sturgeon
		Pearl Dace
		Sauger
		Shortnose Gar
		Sicklefin Chub
		Sturgeon Chub
49	Mill-Willow	Westslope Cutthroat Trout
50	Morrell Creek	Bull Trout
		Westslope Cutthroat Trout
51	North and South Forks Lower Willow Creek	Western Pearlshell
		Westslope Cutthroat Trout
52	North Fork Blackfoot River – Scapegoat Wilderness	Bull Trout
		Westslope Cutthroat Trout
53	North Fork Flathead River	Bull Trout
		Westslope Cutthroat Trout
54	Oregon Gulch/Cedar Creek	Bull Trout
		Westslope Cutthroat Trout
55	Powder River	Blue Sucker
		Paddlefish
		Sauger
		Sturgeon Chub
56	Pryor Creek	No SGCN documented
57	Ranch Creek	Bull Trout
		Westslope Cutthroat Trout
58	Razor Creek	No SGCN documented
59	Redlodge Creek	Yellowstone Cutthroat Trout
60	Region 3 WCT Distribution	Arctic Grayling
		Western Pearlshell
		Westslope Cutthroat Trout
61	Region 4 WCT Distribution	Northern Redbelly Dace
	-	Westslope Cutthroat Trout
62	Rock Creek	Iowa Darter
63	Rock Creek – linear	Bull Trout

Number	Focal Area Name	Species
63	Rock Creek – linear	Westslope Cutthroat Trout
64	Rock Creek Mainstem	Bull Trout
		Westslope Cutthroat Trout
65	Ross Fork Rock Creek	Bull Trout
		Western Pearlshell
		Westslope Cutthroat Trout
66	Ruby River	Arctic Grayling
		Westslope Cutthroat Trout
67	Shields YCT	Yellowstone Cutthroat Trout
68	Sheppard-Good Creek WCT Conservation Population	Bull Trout
		Westslope Cutthroat Trout
69	Silver Bow Creek – linear	Westslope Cutthroat Trout
70	Skalkaho-Burnt Fork Bitterroot	Bull Trout
		Westslope Cutthroat Trout
71	Slough Creek	Yellowstone Cutthroat Trout
72	Slough/Hell Roaring Creek	Yellowstone Cutthroat Trout
73	South Fork Flathead River – Non-wilderness	Bull Trout
		Pygmy Whitefish
		Westslope Cutthroat Trout
74	Stillwater	Yellowstone Cutthroat Trout
75	Stillwater River (Flathead River)	Bull Trout
		Westslope Cutthroat Trout
76	Stoney Creek – R2	Bull Trout
		Westslope Cutthroat Trout
77	Swan River	Bull Trout
		Pygmy Whitefish
		Westslope Cutthroat Trout
78	Tongue River	Blue Sucker
		Paddlefish
		Sauger
		Sturgeon Chub
79	Twin Lake – Lake Trout	Arctic Grayling
		Lake Trout
		Westslope Cutthroat Trout
80	Upper Clearwater	Bull Trout
		Western Pearlshell
		Westslope Cutthroat Trout
81	Upper East Fork Rock Creek and East Fork Reservoir	Bull Trout

Number	Focal Area Name	Species
81	Upper East Fork Rock Creek and East Fork Reservoir	Westslope Cutthroat Trout
82	Upper Kootenai River North	Bull Trout
		Westslope Cutthroat Trout
83	Upper Kootenai River South	Bull Trout
		Columbia Basin Redband Trout
		Pygmy Whitefish
		Torrent Sculpin
		Westslope Cutthroat Trout
		White Sturgeon
84	Warm Springs Creek – linear	Bull Trout
		Westslope Cutthroat Trout
85	Upper Warm Springs Creek	Bull Trout
		Westslope Cutthroat Trout
86	West Fork Bitterroot River	Bull Trout
		Westslope Cutthroat Trout
87	West Fork Bitterroot River – linear	Bull Trout
		Western Pearlshell
		Westslope Cutthroat Trout
88	West Fork Boulder	Yellowstone Cutthroat Trout
89	West Fork Rock Creek Drainage	Bull Trout
		Western Pearlshell
		Westslope Cutthroat Trout
90	West Fork Stillwater	Yellowstone Cutthroat Trout
91	West Rosebud	Yellowstone Cutthroat Trout
92	Yaak River	Bull Trout
		Columbia Basin Redband Trout
		Western Pearlshell
		Westslope Cutthroat Trout
93	Yellowstone River	Blue Sucker
		Iowa Darter
		Northern Redbelly Dace
		Paddlefish
		Pallid Sturgeon
		Sauger
		Shortnose Gar
		Sicklefin Chub
		Sturgeon Chub

Appendix K: Tier II Aquatic Focal Areas

<u>Tier II: Moderate conservation need.</u> Resources could be used to implement conservation actions that provide direct benefit to these areas.

One hundred and sixty-four Tier II aquatic Focal Areas were identified. If you would like more information (e.g., other species, threats, and impacts) on individual Focal Areas, please contact FWP at mtswap@mt.gov.

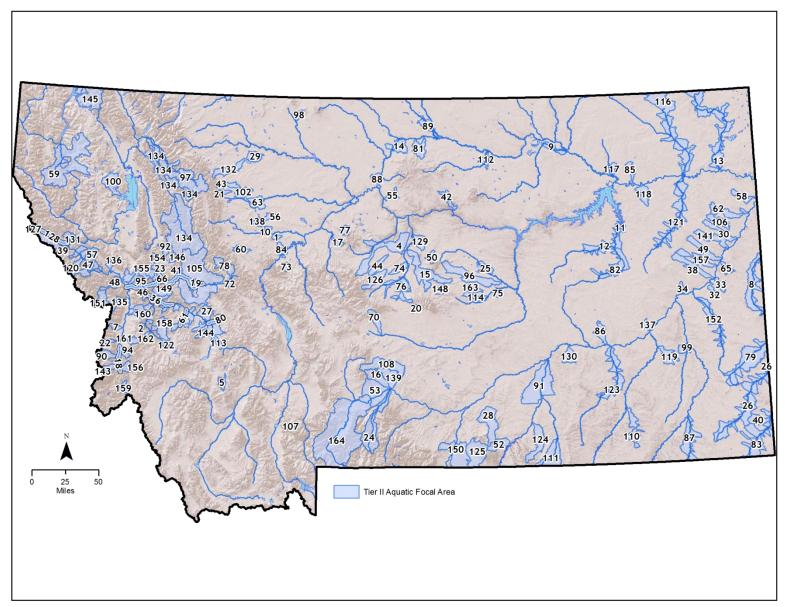


Figure 132. Tier II Aquatic Focal Areas

Number Focal Area Name Number Focal Area Name Adobe Creek Redbelly Distribution 43 Cow Creek Redbelly Distribution 2 Alder Creek 44 Coyote Creek Redbelly Distribution 3 Antelope Gulch - Wood Creek 45 Cramer Creek 4 Arrow Creek Redbelly Distribution 46 Crystal Creek 5 Basin Creek 47 Deep Creek Bateman Creek - Gillespie Creek 48 Deep/Rock Creek Bear Creek - Bitterroot 49 Deer Creek and North Fork Deer Creek 7 8 Beaver Creek 50 Deer Creek Redbelly Distribution Beaver creek - middle 51 Douglas Creek 10 Big Coulee Creek Redbelly Distribution 52 Dry Head 53 Duck Creek Big Dry Creek R6A 12 Big Dry Creek R7 54 Dunkleberg Creek 13 Big Muddy 55 Eagle Creek Redbelly Distribution 14 Big sandy and beaver 56 Fairfield Redbelly Distribution 15 Big Spring Creek Redbelly Distribution 57 First and Second Creek 16 Big Timber 58 First Hay Creek 17 Big Willow Creek Redbelly Distribution Fisher River 60 Flat Creek Redbelly Distribution 18 Bitterroot River - Line 19 Blackfoot River - Line 61 Flint Creek - Line 20 Blake Creek Redbelly Distribution 62 Fox Creek Blindhorse Creek Redbelly Distribution 63 Gamble Coulee Redbelly Distribution 22 Blodgett Creek 64 Gilbert Creek 23 Boles Creek Glendive Creek 65 24 Boulder Gold-Belmont Creek 25 Box Elder Creek Redbelly Distribution 67 Grant Creek 26 Boxelder Creek 68 Greenough Creek Hay Creek 27 Brock Creek 69 28 Brushy Fork of Willow Creek 70 Haymaker - WCT 29 Bullhead Creek Redbelly Distribution 71 Hogback Creek 30 Burns Creek 72 Hogum Creek 31 Cabin Creek R2 73 Huff Creek Redbelly Distribution 74 Indian Creek Redbelly Distribution 32 Cabin Creek R7 33 Cedar Creek 75 Johnson Coulee Redbelly Distribution 34 Cherry Creek 76 Judith River Redbelly Distribution 35 Clark Fork River - Johnson Creek 77 Keaster Creek Redbelly Distribution 36 Clark Fork River - Line 78 Landers Fork 37 Clark Fork River - Thompson Creek 79 Little Beaver Creek 80 Little Blackfoot River - Line 38 Clear Creek 39 Cold Creek 81 Little box elder and clear creek 40 Cottonwood Creek - Little Missouri 82 Little Dry Creek 41 Cottonwood Creek - South 83 Little Missouri River 42 Cow Creek 84 Little Muddy - Bird Creek

124 Rotten Grass

Sage Creek

125

Number Focal Area Name Number Focal Area Name 85 Little Porcupine 126 Sage Creek Redbelly Distribution 86 Little Porcupine Creek 127 Saint Regis 87 Little Powder River 128 Saint Regis River - Line 88 Little Sandy Creek Redbelly Distribution 129 Salt Creek Redbelly Distribution 89 Lodge creek Sarpy Creek 130 90 Lost Horse Creek 131 Seventeenmile Creek 91 Lower Bighorn Sheep Creek Redbelly Distribution 132 92 Lower Clearwater River Smart Creek - Henderson Creek Complex 133 93 Lower Gold Creek 134 South Fork Flathead - Wilderness 94 Lower Sleeping Child Creek 135 South Lolo Creek 95 Marshall Creek 136 Stony Creek 96 McDonald Creek Redbelly Distribution 137 Sunday Creek 97 Middle Fork Flathead - Wilderness 138 Sunnyslope Canal 98 Miners Coulee Redbelly Distribution 139 Sweet Grass 99 Mizpah Creek 140 Tamarack Creek 100 Mount-Truman Creek WCT Cons Pop 141 Thirteenmile Creek Mountain Creek 142 Threemile Creek - Bitterroot Muddy Creek Redbelly Distribution 102 143 Tin Cup Creek 103 Nemote Creek 144 Tin Cup Joe Creek Ninemile Creek Headwaters Tobacco River 145 105 North Fork Blackfoot Trail Creek 146 106 North Fork Burns Creek 147 Tyler Creek 107 North Fork Spanish Creek Tyler Creek Redbelly Distribution 148 108 North Fork Sweet Grass 149 Union-Ashby 109 O'Keefe Creek 150 Upper Clarks Fork 110 Otter Creek 151 Upper Lolo Creek Pass Creek 152 Upper OFallon Creek 112 Peoples Creek 153 Upper Petty Creek 113 Peterson Creek 154 Upper Placid Creek 114 Pike Creek Redbelly Distribution 155 Upper rattlesnake Creek 115 Pikes-Willow 156 Upper Rye Creek 116 Poplar River 157 Upper Sevenmile Creek 117 Porcupine 158 Upper Willow Creek Complex Warm Springs Creek - Bitterroot 118 Prairie Elk 159 119 Pumpkin Creek Welcome Creek 160 120 Quartz Creek 161 Willow Creek - Bitterroot 121 Redwater river Wyman Creek 162 122 Rock Creek - mallard creek Yellow Water Creek Redbelly Distribution 163 Rosebud Creek 164 Yellowstone - YCT

Appendix L: Tier I Terrestrial Focal Areas

<u>Tier I. Greatest conservation need.</u> There is a clear obligation to use resources to implement conservation actions that provide direct benefit to these areas.

Fifty-five Tier I terrestrial Focal Areas were identified. These ranged in size from a small area (23,409 acres) providing connectivity in northwestern Montana, to a large contiguous sagebrush and grassland landscape in eastern Montana (2,548,909 acres). It is clear by looking at the map below that the approach to identify terrestrial Focal Areas differed east and west of the Continental Divide.

In eastern Montana, the teams focused on large intact landscapes to provide the largest area possible to develop conservation actions for multiple Species of Greatest Conservation Need (SGCN). Connectivity between protected landscapes (e.g., wilderness areas, roadless areas) was the focus in the western part of the state, resulting in numerous smaller Focal Areas.

The Species of Greatest Conservation Need commonly associated with the community types within each Focal Area are listed below. If you would like more information (e.g., other species, threats, and impacts) on individual Focal Areas, please contact FWP at mtswap@mt.gov.

While these areas were identified to help focus conservation efforts, it is not implied that efforts only be restricted to these areas.

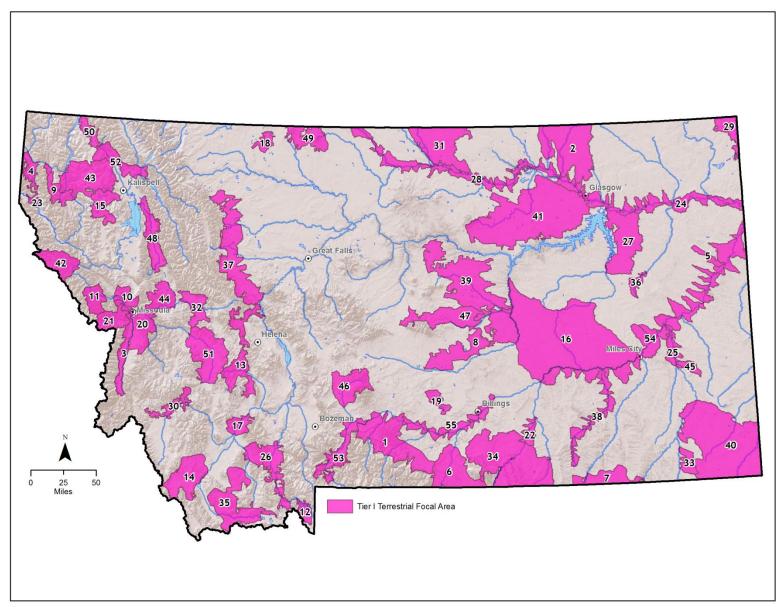


Figure 133. Tier I Terrestrial Focal Areas

Number	Focal Area Name	Animal Subgroup	Species Name
1	Beartooth Face	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Rosy-Finch
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Trumpeter Swan
		Birds	Varied Thrush

Number	Focal Area Name	Animal Subgroup	Species Name
1	Beartooth Face	Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Mammals	White-tailed Prairie Dog
		Mammals	Wolverine
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
2	Bittercreek	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Black-necked Stilt
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Chestnut-collared Longspur
		Birds	Common Tern
		Birds	Ferruginous Hawk
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Great Blue Heron

Number	Focal Area Name	Animal Subgroup	Species Name
2	Bittercreek	Birds	Greater Sage-Grouse
		Birds	Horned Grebe
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Peregrine Falcon
		Birds	Piping Plover
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sedge Wren
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	White-faced Ibis
		Mammals	Black-tailed Prairie Dog
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Preble's Shrew
		Mammals	Pygmy Shrew
		Mammals	Swift Fox
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Smooth Greensnake
		Reptiles	Western Hog-nosed Snake
3	Bitterroot - Clark Fork Riparian Corridor	Amphibians	Coeur d'Alene Salamander
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Tern

Number	Focal Area Name	Animal Subgroup	Species Name
3	Bitterroot - Clark Fork Riparian Corridor	Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Sage Thrasher
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Preble's Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
4	Bull River	Amphibians	Coeur d'Alene Salamander
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
			1

Number	Focal Area Name	Animal Subgroup	Species Name
4	Bull River	Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
5	Burns Creek	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow

Number	Focal Area Name	Animal Subgroup	Species Name
5	Burns Creek	Birds	Burrowing Owl
		Birds	Chestnut-collared Longspur
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Least Tern
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Preble's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
6	Cottonwood Triangle	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Rosy-Finch
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo

Number	Focal Area Name	Animal Subgroup	Species Name
6	Cottonwood Triangle	Birds	Black-necked Stilt
		Birds	Blue-gray Gnatcatcher
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat

Number	Focal Area Name	Animal Subgroup	Species Name
6	Cottonwood Triangle	Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Mammals	White-tailed Prairie Dog
		Mammals	Wolverine
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
7	Decker	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk

Number	Focal Area Name	Animal Subgroup	Species Name
7	Decker	Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
8	Devil's Basin	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Black-necked Stilt
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Common Tern

Number	Focal Area Name	Animal Subgroup	Species Name
8	Devil's Basin	Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
9	East Cabinet Front	Amphibians	Coeur d'Alene Salamander
		Amphibians	Western Toad

Number	Focal Area Name	Animal Subgroup	Species Name
9	East Cabinet Front	Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
10	Evaro Hill – North Hills	Amphibians	Coeur d'Alene Salamander

Number	Focal Area Name	Animal Subgroup	Species Name
10	Evaro Hill – North Hills	Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Sage Thrasher
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine

Number	Focal Area Name	Animal Subgroup	Species Name
10	Evaro Hill – North Hills	Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
11	Fish Creek Connectivity	Amphibians	Coeur d'Alene Salamander
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Sage Thrasher
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Townsend's Big-eared Bat

Number	Focal Area Name	Animal Subgroup	Species Name
11	Fish Creek Connectivity	Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
12	Hebgen	Amphibians	Plains Spadefoot
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Flammulated Owl
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Trumpeter Swan
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo

Number	Focal Area Name	Animal Subgroup	Species Name
12	Hebgen	Mammals	Bison
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
13	Helena/East Continental Divide	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Black-necked Stilt
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse

Number	Focal Area Name	Animal Subgroup	Species Name
13	Helena/East Continental Divide	Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Pinyon Jay
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Trumpeter Swan
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	White-tailed Ptarmigan
		Mammals	Black-tailed Prairie Dog
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Great Basin Pocket Mouse
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Milksnake
14	Horse Prairie Sagebrush Associates	Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
		Birds	Black Tern

Number	Focal Area Name	Animal Subgroup	Species Name
14	Horse Prairie Sagebrush Associates	Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Pinyon Jay
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Great Basin Pocket Mouse
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew

Number	Focal Area Name	Animal Subgroup	Species Name
14	Horse Prairie Sagebrush Associates	Mammals	Pygmy Rabbit
		Mammals	Spotted Bat
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
15	Hubbard	Amphibians	Northern Leopard Frog
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Le Conte's Sparrow
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Sage Thrasher
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear

Number	Focal Area Name	Animal Subgroup	Species Name
15	Hubbard	Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
16	Ingomar	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Common Tern
		Birds	Ferruginous Hawk
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Least Tern
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher

Number	Focal Area Name	Animal Subgroup	Species Name
16	Ingomar	Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
17	Jefferson	Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Flammulated Owl
		Birds	Forster's Tern

Number	Focal Area Name	Animal Subgroup	Species Name
17	Jefferson	Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Pinyon Jay
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Great Basin Pocket Mouse
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Preble's Shrew
		Mammals	Pygmy Rabbit
		Mammals	Spotted Bat
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Milksnake
18	Kevin Rim	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	Baird's Sparrow
		Birds	Bobolink

Number	Focal Area Name	Animal Subgroup	Species Name
18	Kevin Rim	Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Chestnut-collared Longspur
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Peregrine Falcon
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Mammals	Dwarf Shrew
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Preble's Shrew
		Mammals	Swift Fox
		Reptiles	Greater Short-horned Lizard
		Reptiles	Western Hog-nosed Snake
19	Lake Basin	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Black-necked Stilt
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron

Number	Focal Area Name	Animal Subgroup	Species Name
19	Lake Basin	Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
20	Lolo – Clark Fork Connectivity	Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink

Number	Focal Area Name	Animal Subgroup	Species Name
20	Lolo – Clark Fork Connectivity	Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Sage Thrasher
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Preble's Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
21	Lolo Creek – Northern Bitterroots	Amphibians	Coeur d'Alene Salamander
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
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Number	Focal Area Name	Animal Subgroup	Species Name
21	Lolo Creek – Northern Bitterroots	Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Sage Thrasher
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Preble's Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
22	Lower Bighorn River	Amphibians	Great Plains Toad

Number	Focal Area Name	Animal Subgroup	Species Name
22	Lower Bighorn River	Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat

Number	Focal Area Name	Animal Subgroup	Species Name
22	Lower Bighorn River	Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
23	Lower Clark Fork – Grizzly Bear	Amphibians	Coeur d'Alene Salamander
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher

Number	Focal Area Name	Animal Subgroup	Species Name
23	Lower Clark Fork – Grizzly Bear	Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
24	Lower Missouri – R6	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Black-crowned Night-Heron
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Chestnut-collared Longspur
		Birds	Common Tern
		Birds	Ferruginous Hawk
		Birds	Forster's Tern
		Birds	Franklin's Gull
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Horned Grebe
		Birds	Le Conte's Sparrow
		Birds	Least Tern
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Nelson's Sharp-tailed Sparrow
		Birds	Peregrine Falcon
		Birds	Piping Plover

24 Lower Missouri – R6 Birds Birds Birds Sedge Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit Veery Birds White-faced Ibis Mammals Black-tailed Prairie Dog Mammals Mammals Hoary Bat Mammals Hoary Bat Mammals Mammals Mammals Hoary Bat Mammals Fringed Myotis Mammals Mammals Freble's Shrew Mammals Mammals Freble's Shrew Mammals Mammals Freble's Shrew Mammals Reptiles Greater Short-horned Lizard Reptiles Spiny Softshell Reptiles Spiny Softshell Reptiles Spiny Softshell Reptiles Papins Toad Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Birds Black Tern Birds Clark's Nuteracker Birds Golden Eagle Birds Greater Sage-Grouse Birds Birds Greater Sage-Grouse Birds Birds Loggerhead Shrike	Number	Focal Area Name	Animal Subgroup	Species Name
Birds Sedge Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Birds White-faced Ibis Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Fringed Myotis Mammals Hoary Bat Mammals Little Brown Myotis Mammals Proble's Shrew Mammals Fringed Myotis Mammals Hoary Bat Mammals Little Brown Myotis Mammals Proble's Shrew Mammals Townsend's Big-eared Bat Reptiles Greater Short-horned Lizard Reptiles Greater Short-horned Lizard Reptiles Snapping Turtle Reptiles Snapping Turtle Reptiles Spiny Softshell Reptiles Western Hog-nosed Snake 25 Lower Powder River Amphibians Great Plains Toad Amphibians Plains Spadefoot Birds American Bittern Birds Black Tern Birds Black Tern Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Black Ferruginous Hawk Birds Great Blue Heron Great Plains Gorden Eagle Birds Great Blue Heron Birds Great Blue Heron Birds Great Blue Heron Birds Greater Sage-Grouse	24	Lower Missouri – R6	Birds	Red-headed Woodpecker
Birds Sharp-tailed Grouse Birds Veery Birds Veery Birds White-faced Ibis Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Fringed Myotis Mammals Hoary Bat Mammals Hoary Bat Mammals Preble's Shrew Mammals Preble's Shrew Mammals Townsend's Big-eared Bat Reptiles Greater Short-horned Lizard Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Snapping Turtle Reptiles Spiny Softshell Reptiles Western Hog-nosed Snake Reptiles Western Hog-nosed Snake Amphibians Plains Spadefoot Birds American Bittern Birds Black-tilled Cuckoo Birds Black Tern Birds Black-tilled Cuckoo Birds Brewer's Sparrow Birds Burrowing Owl Birds Burrowing Owl Birds Clark's Nutcracker Birds Great Black Birds Gloden Eagle Birds Great Blue Heron Birds Great Blue Heron Birds Greater Sage-Grouse Birds Greater Sage-Grouse Birds Greater Sage-Grouse Birds Greater Sage-Grouse			Birds	Sage Thrasher
Birds Veery Birds Veery Birds White-faced Ibis Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Fringed Myotis Mammals Hoary Bat Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Mammals Townsend's Big-eared Bat Reptiles Greater Short-horned Lizard Reptiles Milksnake Reptiles Smooth Greensnake Reptiles Spiny Softshell Reptiles Spiny Softshell Reptiles Western Hog-nosed Snake 25 Lower Powder River Amphibians American Bittern Birds Baird's Sparrow Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Birds Brewer's Sparrow Birds Birds Brewer's Sparrow Birds Birds Great Blue Heron Birds Greater Sage-Grouse Birds Greater Sage-Grouse Birds Greater Sage-Grouse Birds Greater Sage-Grouse			Birds	Sedge Wren
Birds Veery Birds White-faced Ibis Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Fringed Myotis Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Mammals Townsend's Big-eared Bat Reptiles Greater Short-horned Lizard Reptiles Milksnake Reptiles Smooth Greensnake Reptiles Spiny Softshell Reptiles Spiny Softshell Reptiles Western Hog-nosed Snake Reptiles Western Hog-nosed Snake 25 Lower Powder River Amphibians Northern Leopard Frog Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Birds Baird's Sparrow Birds Black Tern Birds Black Tern Birds Black Tern Birds Blobolink Birds Brewer's Sparrow Birds Bobolink Birds Great Plain Town Birds Black Tern Birds Brewer's Sparrow Birds Bobolink Birds Greater Sparrow Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Greater Sage-Grouse Birds Greater Sage-Grouse			Birds	Sharp-tailed Grouse
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Birds Brewer's Sparrow Birds Burrowing Owl Birds Chestnut-collared Longspur Birds Clark's Nutcracker Birds Ferruginous Hawk Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Least Tern			Birds	Black-billed Cuckoo
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Birds Clark's Nutcracker Birds Ferruginous Hawk Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Least Tern			Birds	Burrowing Owl
Birds Ferruginous Hawk Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Least Tern			Birds	Chestnut-collared Longspur
Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Least Tern			Birds	Clark's Nutcracker
Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Least Tern			Birds	Ferruginous Hawk
Birds Great Blue Heron Birds Greater Sage-Grouse Birds Least Tern			Birds	_
Birds Greater Sage-Grouse Birds Least Tern				<u> </u>
Birds Least Tern				
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			Birds	Loggerhead Shrike

Number	Focal Area Name	Animal Subgroup	Species Name
25	Lower Powder River	Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
26	Madison Valley	Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Black-crowned Night-Heron
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch

Number	Focal Area Name	Animal Subgroup	Species Name
26	Madison Valley	Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Franklin's Gull
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Trumpeter Swan
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Great Basin Pocket Mouse
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Pygmy Rabbit
		Mammals	Spotted Bat
		Mammals	Townsend's Big-eared Bat

Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit	Number	Focal Area Name	Animal Subgroup	Species Name
Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Birds American Bittern Birds Baird's Sparrow Birds Black Tern Birds Black Tern Birds Brewer's Sparrow Birds Caspian Tern Birds Chestnut-collared Longs; Birds Chestnut-collared Longs; Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Horned Grebe Birds Long-billed Curlew Birds McCown's Longspur Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sharp-tailed Grouse Birds Sharp-tailed Grouse Birds Sprague's Pipit	26	Madison Valley	Mammals	Wolverine
Amphibians Plains Spadefoot Birds American Bittern Birds Baird's Sparrow Birds Black Tern Birds Black Tern Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Burrowing Owl Birds Caspian Tern Birds Chestnut-collared Longs Birds Common Tern Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds McCown's Longspur Birds McCown's Longspur Birds McCown's Longspur Birds Peregrine Falcon Birds Pinyon Jay Birds Pinyon Jay Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sprague's Pipit	27	McCone	Amphibians	Great Plains Toad
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Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Caspian Tern
Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Chestnut-collared Longspur
Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Common Tern
Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Ferruginous Hawk
Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Forster's Tern
Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Golden Eagle
Birds Green-tailed Towhee Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Pinyon Jay Birds Red-headed Woodpecker Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Great Blue Heron
Birds Horned Grebe Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Greater Sage-Grouse
Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Green-tailed Towhee
Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Horned Grebe
Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Least Tern
Birds McCown's Longspur Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Loggerhead Shrike
Birds Mountain Plover Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Long-billed Curlew
Birds Peregrine Falcon Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	McCown's Longspur
Birds Pinyon Jay Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Mountain Plover
Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Peregrine Falcon
Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Pinyon Jay
Birds Sage Thrasher Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Piping Plover
Birds Sharp-tailed Grouse Birds Sprague's Pipit			Birds	Red-headed Woodpecker
Birds Sprague's Pipit			Birds	Sage Thrasher
			Birds	Sharp-tailed Grouse
Birds Veery			Birds	Sprague's Pipit
			Birds	Veery
Birds White-faced Ibis			Birds	White-faced Ibis
Mammals Black-tailed Prairie Dog			Mammals	Black-tailed Prairie Dog
Mammals Dwarf Shrew			Mammals	
Mammals Fringed Myotis			Mammals	Fringed Myotis
Mammals Hoary Bat			Mammals	• •

Number	Focal Area Name	Animal Subgroup	Species Name
27	McCone	Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Western Hog-nosed Snake
28	Milk River	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	American White Pelican
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Black-crowned Night-Heron
		Birds	Black-necked Stilt
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Caspian Tern
		Birds	Chestnut-collared Longspur
		Birds	Clark's Grebe
		Birds	Clark's Nutcracker
		Birds	Common Tern
		Birds	Ferruginous Hawk
		Birds	Forster's Tern
		Birds	Franklin's Gull
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Horned Grebe
		Birds	Least Tern
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover

Number	Focal Area Name	Animal Subgroup	Species Name
28	Milk River	Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Piping Plover
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	White-faced Ibis
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Pygmy Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Western Hog-nosed Snake
29	Missouri Coteau	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	American White Pelican
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Burrowing Owl
		Birds	Caspian Tern
		Birds	Chestnut-collared Longspur
		Birds	Common Tern
		Birds	Ferruginous Hawk
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Great Blue Heron

Birds Le Conte's Sparrow Birds Le Conte's Sparrow Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds McCown's Longspur Birds Peregrine Falcon Birds Peregrine Falcon Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sedge Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Sprague's Pipit Birds White-faced Ibis Mammals Arctic Shrew Mammals Little Brown Myotis Mammals Hoary Bat Mammals Northern Short-tailed Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Smooth Greensnake Reptiles Birds Black Swift Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Tern Birds Black Swift Birds Black Tern Birds Black Tern Birds Black Tern Birds Black Sparrow Birds Brown Creeper Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Burrowing Owl Birds Cassin's Finch Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch Birds Greater Short-Accer	Number	Focal Area Name	Animal Subgroup	Species Name
Birds Least Tern Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds McCown's Longspur Birds McSon's Sharp-tailed Sparrow Birds Peregrine Falcon Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sage Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Birds White-faced Ibis Mammals Acretic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Hoary Bat Mammals Preble's Shrew Mammals Preble's Shrew Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Swift Birds Black American Bittern Birds Black American Bittern Birds Black Acked Woodpecker Birds Brown Creeper Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Cassin's Finch Birds Burrowing Owl Cassin's Finch Birds Burrowing Owl Cassin's Finch Clark's Nutcracker	29	Missouri Coteau	Birds	Horned Grebe
Birds Long-billed Curlew Birds McCown's Longspur Birds Nelson's Sharp-tailed Sparrow Birds Peregrine Falcon Birds Peregrine Falcon Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sedge Wren Birds Sharp-tailed Grouse Birds Sharp-tailed Grouse Birds Sharp-tailed Grouse Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Preble's Shrew Mammals Pygny Shrew Mammals Pygny Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake Reptiles Western Toad Birds Black Swift Birds Black Swift Birds Black Swift Birds Black Swift Birds Black Rosy-Finch Birds Black Swift Birds Black Cassin's Finch Birds Brown Creeper Birds Burrowing Owl			Birds	Le Conte's Sparrow
Birds McCown's Longspur Birds McCown's Longspur Birds McCown's Chapspur Birds Nelson's Sharp-tailed Sparrow Birds Peregrine Falcon Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Scadge Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit White-faced Ibis Sprague's Pipit Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Hoary Bat Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake Reptiles Western Hog-nosed Snake Birds Black Swift Birds Black Deptiles Birds Black Bards Woodpecker Birds Bobolink Birds Brown Creeper Birds Burrowing Owl Gassin's Finch Birds Burrowing Owl Birds Burrowing Owl Gassin's Finch Birds Burrowing Owl Gassin's Finch Birds Burrowing Owl Cassin's Finch Birds Burrowing Owl Cassin's Finch Clark's Nutcracker			Birds	Least Tern
Birds McCown's Longspur Birds Nelson's Sharp-tailed Sparrow Birds Peregrine Falcon Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sedge Wren Birds Sprague's Pipit Birds Sprague's Pipit Birds White-faced Ibis Mammals Hoary Bat Mammals Hoary Bat Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Worthern Short-toned Lizard Reptiles Greater Short-horned Lizard Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds Black Rosy-Finch Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Tern Birds Black Tern Birds Black Tern Birds Black Tern Birds Black-backed Woodpecker Birds Black Brown Creeper Birds Birds Brown Creeper			Birds	Loggerhead Shrike
Birds Nelson's Sharp-tailed Sparrow Birds Peregrine Falcon Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sage Thrasher Birds Sedge Wren Birds Sprague's Pipit Birds Veery Birds White-faced lbis Mammals Arctic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Brewer's Sparrow Birds Brewer's Sparrow Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Burrowing Owl Birds Cassin's Finch Birds Burrowing Owl			Birds	Long-billed Curlew
Birds Peregrine Falcon Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sedge Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Hoary Bat Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Swift Birds Black-backed Woodpecker Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Burrowing Owl Birds Burrowing Owl Birds Cassin's Finch Birds Burrowing Owl Birds Cassin's Finch Birds Burrowing Owl			Birds	McCown's Longspur
Birds Piping Plover Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sedge Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Hoary Bat Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Tern Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Clark's Nutcracker			Birds	Nelson's Sharp-tailed Sparrow
Birds Red-headed Woodpecker Birds Sage Thrasher Birds Sedge Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Tern Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Burrowing Owl Birds Cassin's Finch			Birds	Peregrine Falcon
Birds Sage Thrasher Birds Sedge Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Birds Veery Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Hoary Bat Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Greater Short-horned Lizard Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Blac			Birds	Piping Plover
Birds Sedge Wren Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Wodpecker Birds Black Wodpecker Birds Black Fern Birds Black Tern Birds Black Tern Birds Black Tern Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Burrowing Owl Birds Cassin's Finch Birds Nutcracker			Birds	Red-headed Woodpecker
Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Swift Birds Black-backed Woodpecker Birds Brown Creeper Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch Birds Cassin's Finch Birds Cassin's Finch			Birds	Sage Thrasher
Birds Veery Birds Veery Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black Bwetern Birds Black Bwetern Birds Black Brown Creeper Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch Birds Rosy-Finch			Birds	Sedge Wren
Birds Veery Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Tern Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Burrowing Owl Birds Cassin's Finch Birds Surrowing Finch Birds Burrowing Owl			Birds	Sharp-tailed Grouse
Birds White-faced Ibis Mammals Arctic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Tern Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Clark's Nutcracker			Birds	Sprague's Pipit
Mammals Arctic Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Clark's Nutcracker			Birds	Veery
Mammals Little Brown Myotis Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Tern Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch Birds Cassin's Finch			Birds	White-faced Ibis
Mammals Little Brown Myotis Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch Birds Cassin's Finch Birds Notcracker			Mammals	Arctic Shrew
Mammals Northern Short-tailed Shrew Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black Tern Birds Black Tern Birds Black-backed Woodpecker Birds Brewer's Sparrow Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch Birds Cassin's Finch			Mammals	Hoary Bat
Mammals Preble's Shrew Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Swift Birds Black Tern Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch Clark's Nutcracker			Mammals	Little Brown Myotis
Mammals Pygmy Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black Tern Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch			Mammals	Northern Short-tailed Shrew
Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black Tern Birds Black-backed Woodpecker Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Clark's Nutcracker			Mammals	Preble's Shrew
Reptiles Greater Short-horned Lizard Reptiles Smooth Greensnake Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch			Mammals	Pygmy Shrew
Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black-backed Woodpecker Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Burrowing Owl Cassin's Finch Clark's Nutcracker			Mammals	Swift Fox
Reptiles Western Hog-nosed Snake 30 North Big Hole Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker			Reptiles	Greater Short-horned Lizard
30 North Big Hole Amphibians Birds Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Birds Brewer's Sparrow Birds Birds Brown Creeper Birds Burrowing Owl Birds Clark's Nutcracker			Reptiles	Smooth Greensnake
Birds American Bittern Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker			Reptiles	Western Hog-nosed Snake
Birds Black Rosy-Finch Birds Black Swift Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker	30	North Big Hole	Amphibians	Western Toad
Birds Black Swift Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker			Birds	American Bittern
Birds Black Tern Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker			Birds	Black Rosy-Finch
Birds Black-backed Woodpecker Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker			Birds	Black Swift
Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker			Birds	Black Tern
Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker			Birds	Black-backed Woodpecker
Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker			Birds	Bobolink
Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker			Birds	Brewer's Sparrow
Birds Cassin's Finch Birds Clark's Nutcracker			Birds	Brown Creeper
Birds Clark's Nutcracker			Birds	Burrowing Owl
			Birds	Cassin's Finch
Birds Evening Grosbeak			Birds	Clark's Nutcracker
			Birds	Evening Grosbeak

Number	Focal Area Name	Animal Subgroup	Species Name
30	North Big Hole	Birds	Ferruginous Hawk
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Preble's Shrew
		Mammals	Pygmy Rabbit
		Mammals	Spotted Bat
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
31	North Blaine	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Black-crowned Night-Heron
			-

Number	Focal Area Name	Animal Subgroup	Species Name
31	North Blaine	Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Common Tern
		Birds	Ferruginous Hawk
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Horned Grebe
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Peregrine Falcon
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Mammals	Black-tailed Prairie Dog
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Pygmy Shrew
		Mammals	Swift Fox
		Reptiles	Greater Short-horned Lizard
-		Reptiles	Western Hog-nosed Snake
32	Ovando – Helmville Grasslands	Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink

Number	Focal Area Name	Animal Subgroup	Species Name
32	Ovando – Helmville Grasslands	Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Sage Thrasher
		Birds	Trumpeter Swan
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	White-tailed Ptarmigan
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Preble's Shrew
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine

Number	Focal Area Name	Animal Subgroup	Species Name
33	Prairie Dog/Ferret	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Swift Fox

Number	Focal Area Name	Animal Subgroup	Species Name
33	Prairie Dog/Ferret	Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
34	Pryors – Big Horns	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Blue-gray Gnatcatcher
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher

Number	Focal Area Name	Animal Subgroup	Species Name
34	Pryors – Big Horns	Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Mammals	White-tailed Prairie Dog
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
35	Red Rocks Sagebrush Associates	Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Black-crowned Night-Heron
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk

Number	Focal Area Name	Animal Subgroup	Species Name
35	Red Rocks Sagebrush Associates	Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Franklin's Gull
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Trumpeter Swan
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Great Basin Pocket Mouse
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Pygmy Rabbit
		Mammals	Spotted Bat
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
36	Redwater River	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog

Number	Focal Area Name	Animal Subgroup	Species Name
36	Redwater River	Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Chestnut-collared Longspur
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Western Hog-nosed Snake
37	Rocky Mountain Front	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog

Number	Focal Area Name	Animal Subgroup	Species Name
37	Rocky Mountain Front	Amphibians	Plains Spadefoot
		Amphibians	Western Toad
		Birds	Alder Flycatcher
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Black-crowned Night-Heron
		Birds	Black-necked Stilt
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Grebe
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Franklin's Gull
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk

Number	Focal Area Name	Animal Subgroup	Species Name
37	Rocky Mountain Front	Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Pinyon Jay
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Trumpeter Swan
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	White-tailed Ptarmigan
		Mammals	Black-tailed Prairie Dog
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Northern Bog Lemming
		Mammals	Preble's Shrew
		Mammals	Pygmy Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Greater Short-horned Lizard
		Reptiles	Western Hog-nosed Snake
38	Rosebud Creek	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow

Number	Focal Area Name	Animal Subgroup	Species Name
38	Rosebud Creek	Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Least Tern
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell

Number	Focal Area Name	Animal Subgroup	Species Name
38	Rosebud Creek	Reptiles	Western Hog-nosed Snake
39	Sage Grouse Core Area	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Common Tern
		Birds	Ferruginous Hawk
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	White-faced Ibis
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis

Number	Focal Area Name	Animal Subgroup	Species Name
39	Sage Grouse Core Area	Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
40	Sagebrush Obligate Focal Area	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker

Number	Focal Area Name	Animal Subgroup	Species Name
40	Sagebrush Obligate Focal Area	Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
41	Sagebrush/Grassland	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	American White Pelican
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Black-crowned Night-Heron
		Birds	Black-necked Stilt
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Caspian Tern
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Grebe
		Birds	Clark's Nutcracker
		Birds	Common Tern
		Birds	Ferruginous Hawk
		Birds	Forster's Tern

Number	Focal Area Name	Animal Subgroup	Species Name
41	Sagebrush/Grassland	Birds	Franklin's Gull
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Horned Grebe
		Birds	Least Tern
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Piping Plover
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	White-faced Ibis
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
42	Saint Regis	Amphibians	Coeur d'Alene Salamander
		Amphibians	Idaho Giant Salamander
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift

Number	Focal Area Name	Animal Subgroup	Species Name
42	Saint Regis	Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Varied Thrush
		Birds	Veery
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
43	Salish	Amphibians	Coeur d'Alene Salamander
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern

Number	Focal Area Name	Animal Subgroup	Species Name
43	Salish	Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Le Conte's Sparrow
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-tailed Ptarmigan
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink

lumber	Focal Area Name	Animal Subgroup	Species Name
44	Seeley – Gold Creek	Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Trumpeter Swan
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-tailed Ptarmigan
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Preble's Shrew
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat

ımber	Focal Area Name	Animal Subgroup	Species Name
44	Seeley – Gold Creek	Mammals	Wolverine
		Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
45	Sheep Creek	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Chestnut-collared Longspu
		Birds	Clark's Nutcracker
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat

Number	Focal Area Name	Animal Subgroup	Species Name
45	Sheep Creek	Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
46	Shields	Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Amphibians	Western Toad
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Rosy-Finch
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk

Number	Focal Area Name	Animal Subgroup	Species Name
46	Shields	Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
47	Snowy Mountains	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker

Number	Focal Area Name	Animal Subgroup	Species Name
47	Snowy Mountains	Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Western Hog-nosed Snake
48	Swan	Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift

Number	Focal Area Name	Animal Subgroup	Species Name
48	Swan	Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Le Conte's Sparrow
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Sage Thrasher
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-tailed Ptarmigan
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Northern Alligator Lizard

Reptiles Western Hog-nosed Snake 50 Tobacco Foothills Amphibians Coeur d'Alene Salamander	Number	Focal Area Name	Animal Subgroup	Species Name
Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Birds American Bittern Birds Baird's Sparrow Birds Black Tern Birds Black Tern Birds Bobolink Birds Burrowing Owl Birds Burrowing Owl Birds Chestnut-collared Longspur Birds Clark's Nuteracker Birds Common Tern Birds Golden Eagle Birds Greater Sage-Grouse Birds Greater Sage-Grouse Birds Golden Eagle Birds Greater Sage-Grouse Birds Horned Grebe Birds Horned Grebe Birds Horned Grebe Birds McCown's Longspur Birds Mountain Plover Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sprague's Pipit Western Hog-nosed Sharbamanlas Dwarf Shrew Mammals Hoary Bat Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake	48	Swan	Reptiles	Snapping Turtle
Amphibians Plains Spadefoot Birds American Bittern Birds Baird's Sparrow Birds Black Tern Birds Black Tern Birds Black-billed Cuckoo Birds Bobolink Birds Bobolink Birds Brewer's Sparrow Birds Burrowing Owl Birds Burrowing Owl Birds Chestnut-collared Longspur Birds Clark's Nutcracker Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Greate Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Spargue's Pipit Birds Veery Mammals Black-tailed Grouse Birds Wammals Dwarf Shrew Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake	49	Sweet Grass	Amphibians	Great Plains Toad
Birds Bairds Sparrow Birds Black Tern Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Bobolink Birds Brewer's Sparrow Birds Burrowing Owl Birds Burrowing Owl Birds Clark's Nutcracker Birds Clark's Nutcracker Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Greater Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Amphibians	Northern Leopard Frog
Birds Black Tern Birds Black Tern Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Burrowing Owl Birds Burrowing Owl Birds Burrowing Owl Birds Clark's Nutcracker Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sprague's Pipit Birds Veery Mammals Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Amphibians	Plains Spadefoot
Birds Black Tern Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Burrowing Owl Birds Clark's Nutcracker Birds Clark's Nutcracker Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greated Shrike Birds Horned Grebe Birds Loggerhead Shrike Birds Loggerhead Shrike Birds Horned Grebe Birds Horned Grebe Birds Horned Grebe Birds Longspur Birds McCown's Longspur Birds MeCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	American Bittern
Birds Bobolink Birds Brewer's Sparrow Birds Burrowing Owl Birds Chestnut-collared Longspur Birds Clark's Nuteracker Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Greater Sage-Grouse Birds Horned Grebe Birds Horned Grebe Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Baird's Sparrow
Birds Brewer's Sparrow Birds Burrowing Owl Birds Chestnut-collared Longspur Birds Clark's Nutcracker Birds Common Tern Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Greater Sage-Grouse Birds Horned Grebe Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Preble's Shrew Mammals Preble's Shrew Mammals Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Black Tern
Birds Burrowing Owl Birds Chestnut-collared Longspur Birds Clark's Nutcracker Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Montain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Black-billed Cuckoo
Birds Burrowing Owl Birds Chestnut-collared Longspur Birds Clark's Nutcracker Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Bobolink
Birds Chestnut-collared Longspur Birds Clark's Nutcracker Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Brewer's Sparrow
Birds Clark's Nutcracker Birds Common Tern Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Moccom's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Burrowing Owl
Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Hoary Bat Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Chestnut-collared Longspur
Birds Ferruginous Hawk Birds Forster's Tern Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Hoary Bat Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	
Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Common Tern
Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Hoary Bat Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Ferruginous Hawk
Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Preble's Shrew Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Forster's Tern
Birds Greater Sage-Grouse Birds Horned Grebe Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Golden Eagle
Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Great Blue Heron
Birds Loggerhead Shrike Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Hoary Bat Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Greater Sage-Grouse
Birds Long-billed Curlew Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	·
Birds McCown's Longspur Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Hoary Bat Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Loggerhead Shrike
Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	Long-billed Curlew
Birds Mountain Plover Birds Northern Goshawk Birds Peregrine Falcon Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Hoary Bat Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	McCown's Longspur
Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake			Birds	~ ~
Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 50 Tobacco Foothills Amphibians Coeur d'Alene Salamander			Birds	Northern Goshawk
Birds Sharp-tailed Grouse Birds Sprague's Pipit Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 50 Tobacco Foothills Amphibians Coeur d'Alene Salamander			Birds	Peregrine Falcon
Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 50 Tobacco Foothills Amphibians Coeur d'Alene Salamander			Birds	
Birds Veery Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 50 Tobacco Foothills Amphibians Coeur d'Alene Salamander			Birds	_
Mammals Black-tailed Prairie Dog Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 50 Tobacco Foothills Amphibians Coeur d'Alene Salamander			Birds	
Mammals Dwarf Shrew Mammals Hoary Bat Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake Tobacco Foothills Amphibians Coeur d'Alene Salamander			Mammals	· · · · · · · · · · · · · · · · · · ·
Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake Tobacco Foothills Amphibians Coeur d'Alene Salamander				_
Mammals Little Brown Myotis Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake Tobacco Foothills Amphibians Coeur d'Alene Salamander				Hoary Bat
Mammals Preble's Shrew Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake Tobacco Foothills Amphibians Coeur d'Alene Salamander				•
Mammals Swift Fox Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 50 Tobacco Foothills Amphibians Coeur d'Alene Salamander				•
Reptiles Greater Short-horned Lizard Reptiles Western Hog-nosed Snake 50 Tobacco Foothills Amphibians Coeur d'Alene Salamander				
Reptiles Western Hog-nosed Snake 50 Tobacco Foothills Amphibians Coeur d'Alene Salamander				Greater Short-horned Lizard
50 Tobacco Foothills Amphibians Coeur d'Alene Salamander			•	
•	50	Tobacco Foothills	-	
			Amphibians	Northern Leopard Frog

Number	Focal Area Name	Animal Subgroup	Species Name
50	Tobacco Foothills	Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Le Conte's Sparrow
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Northern Hawk Owl
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-tailed Ptarmigan
		Mammals	Canada Lynx
		Mammals	Fisher
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Northern Bog Lemming
		Mammals	Pygmy Shrew
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine

Number	Focal Area Name	Animal Subgroup	Species Name
50	Tobacco Foothills	Reptiles	Northern Alligator Lizard
		Reptiles	Western Skink
51	Upper Clark Fork – East Deer Lodge	Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Rosy-Finch
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pileated Woodpecker
		Birds	Pinyon Jay
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Mammals	Black-tailed Prairie Dog

Number	Focal Area Name	Animal Subgroup	Species Name
51	Upper Clark Fork – East Deer Lodge	Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fisher
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
52	Whitefish Stillwater	Amphibians	Western Toad
		Birds	American Bittern
		Birds	Black Swift
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Bobolink
		Birds	Boreal Chickadee
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Cassin's Finch
		Birds	Clark's Nutcracker
		Birds	Common Loon
		Birds	Common Tern
		Birds	Evening Grosbeak
		Birds	Flammulated Owl
		Birds	Forster's Tern
		Birds	Golden Eagle
		Birds	Gray-crowned Rosy-Finch
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Harlequin Duck
		Birds	Horned Grebe
		Birds	Le Conte's Sparrow
		Birds	Lewis's Woodpecker
		Birds	Long-billed Curlew
		Birds	Northern Goshawk
		Birds	Northern Hawk Owl
		Birds	Peregrine Falcon

S2 Whitefish Stillwater Birds Varied Thrush	Number	Focal Area Name	Animal Subgroup	Species Name
Birds White-tailed Ptarmigan Mammals Canada L.ynx Mammals Fisher Mammals Grizzly Bear Mammals Hoary Bat Mammals Hoary Bat Mammals Northern Bog Lemming Mammals Pygmy Shrew Mammals Townsend's Big-eared Bat Mammals Wolverine Reptiles Western Skink 53 Yellowstone Amphibians Northern Lizard Reptiles Western Skink 54 Amphibians Plains Spadefoot Amphibians Plains Spadefoot Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Forn Birds Black Woodpecker Birds Black Black Woodpecker Birds Black billed Cuckoo Birds Bobolink Birds Brown Creeper Birds Flammulated Owl Birds Ferruginous Hawk Birds Ferruginous Hawk Birds Golden Eagle Birds Great Gray Owl Birds Great Gray Owl Birds Great Gray Owl Birds Great Gray Owl Birds Great Fagle-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee	52	Whitefish Stillwater	Birds	Pileated Woodpecker
Birds White-tailed Ptarmigan Mammals Canada Lynx Mammals Fisher Mammals Grizzly Bear Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Bog Lemming Mammals Pygmy Shrew Mammals Townsend's Big-eared Bat Mammals Wolverine Reptiles Northern Alligator Lizard Reptiles Western Skink 53 Yellowstone Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Amphibians Western Toad Birds Black Rosy-Finch Birds Black Rosy-Finch Birds Black Rosy-Finch Birds Black-backed Woodpecker Birds Black-backed Woodpecker Birds Black-backed Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Gray Owl Birds Great Gray Owl Birds Great Gray Owl Birds Great Gray Owl Birds Greater Sage-Grouse			Birds	Varied Thrush
Mammals Canada Lynx Mammals Fisher Mammals Grizzly Bear Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Bog Lemming Mammals Pygmy Shrew Mammals Townsend's Big-eared Bat Mammals Wolverine Reptiles Northern Alligator Lizard Reptiles Western Skink 53 Yellowstone Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Amphibians Plains Spadefoot Amphibians Western Toad Birds Black Rosy-Finch Birds Black Town-Finch Birds Black-backed Woodpecker Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Ferruginous Hawk Birds Golden Eagle Birds Great Gray Owl Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee			Birds	Veery
Mammals Fisher Mammals Grizzly Bear Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Bog Lemming Mammals Pygmy Shrew Mammals Townsend's Big-eared Bat Mammals Wolverine Reptiles Western Skink Townsend's Big-eared Bat Mammals Wolverine Reptiles Western Skink Southern Alligator Lizard Reptiles Western Skink Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black-backed Woodpecker Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Clark's Nutcracker Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Ferruginous Hawk Birds Golden Eagle Birds Great Gray Owl Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee			Birds	White-tailed Ptarmigan
Mammals Grizzly Bear Mammals Hoary Bat Mammals Little Brown Myotis Mammals Northern Bog Lemming Mammals Pygmy Shrew Mammals Townsend's Big-eared Bat Mammals Wolverine Reptiles Western Skink 53 Yellowstone Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Tern Birds Black-balled Cuckoo Birds Black-billed Cuckoo Birds Brower's Sparrow Birds Brower's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee			Mammals	Canada Lynx
Mammals Mammals Mammals Mammals Mammals Morthern Bog Lemming Mammals Mammals Morthern Bog Lemming Mammals Mammals Morthern Bog Lemming Mammals Morthern Bog Lemming Mammals Moverine Reptiles Reptiles Reptiles Morthern Alligator Lizard Reptiles Western Skink 53 Yellowstone Amphibians Amphibians Morthern Leopard Frog Amphibians Western Toad Birds Birds Black Rosy-Finch Birds Black Rosy-Finch Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Birds Brown Creeper Birds Brown Creeper Birds Birds Cassin's Finch Birds Cassin's Finch Birds Cassin's Finch Birds Ferruginous Hawk Birds Ferruginous Hawk Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee			Mammals	Fisher
Mammals Little Brown Myotis Mammals Northern Bog Lemming Mammals Pygmy Shrew Mammals Townsend's Big-cared Bat Mammals Wolverine Reptiles Northern Alligator Lizard Reptiles Western Skink 53 Yellowstone Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Evening Grosbeak Birds Ferruginous Hawk Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee Birds Green-tailed Towhee			Mammals	Grizzly Bear
Mammals Northern Bog Lemming Mammals Pygmy Shrew Mammals Townsend's Big-eared Bat Mammals Wolverine Reptiles Northern Alligator Lizard Reptiles Western Skink 7 Yellowstone Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Great Gray Owl Birds Green-tailed Towhee Birds Green-tailed Towhee Birds Green-tailed Towhee			Mammals	Hoary Bat
Mammals Pygmy Shrew Mammals Townsend's Big-eared Bat Mammals Wolverine Reptiles Northern Alligator Lizard Reptiles Western Skink 53 Yellowstone Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Brown Creeper Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Cassin's Finch Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Great Gray Owl Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee			Mammals	Little Brown Myotis
Mammals Mammals Wolverine Reptiles Reptiles Northern Alligator Lizard Reptiles Western Skink 53 Yellowstone Amphibians Amphibians Birds Birds Black Rosy-Finch Birds Birds Black-backed Woodpecker Birds Birds Birds Brids B			Mammals	Northern Bog Lemming
Mammals Reptiles Reptiles Northern Alligator Lizard Reptiles Western Skink 53 Yellowstone Amphibians Amphibians Amphibians Plains Spadefoot Amphibians Birds Birds Black Rosy-Finch Birds Birds Black-backed Woodpecker Birds Birds Black-billed Cuckoo Birds Birds Brewer's Sparrow Birds Birds Brown Creeper Birds Birds Burrowing Owl Birds Clark's Nutcracker Birds Birds Ferruginous Hawk Birds Ferruginous Hawk Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee			Mammals	Pygmy Shrew
Reptiles Western Skink 53 Yellowstone Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Evening Grosbeak Birds Ferruginous Hawk Birds Ferruginous Hawk Birds Golden Eagle Birds Great Gray Owl Birds Great Gray Owl Birds Green-tailed Towhee			Mammals	Townsend's Big-eared Bat
Reptiles Western Skink Amphibians Northern Leopard Frog Amphibians Plains Spadefoot Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Ferruginous Hawk Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee Birds Green-tailed Towhee			Mammals	Wolverine
Yellowstone Amphibians Amphibians Plains Spadefoot Amphibians Western Toad Birds Black Rosy-Finch Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Birds Birds Clark's Nutcracker Birds Birds Coden Eagle Birds Golden Eagle Birds Great Gray Owl Birds Green-tailed Towhee Birds Green-tailed Towhee Birds Green-tailed Towhee Birds Birds Green-tailed Towhee			Reptiles	Northern Alligator Lizard
Amphibians Plains Spadefoot Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee Birds Green-tailed Towhee			Reptiles	Western Skink
Amphibians Western Toad Birds American Bittern Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee Birds Green-tailed Towhee	53	Yellowstone	Amphibians	Northern Leopard Frog
Birds American Bittern Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee			Amphibians	Plains Spadefoot
Birds Black Rosy-Finch Birds Black Tern Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee			Amphibians	Western Toad
Birds Black Tern Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee Birds Green-tailed Towhee			Birds	American Bittern
Birds Black-backed Woodpecker Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Green-tailed Towhee			Birds	Black Rosy-Finch
Birds Black-billed Cuckoo Birds Bobolink Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Black Tern
Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Black-backed Woodpecker
Birds Brewer's Sparrow Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Black-billed Cuckoo
Birds Brown Creeper Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Bobolink
Birds Burrowing Owl Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Brewer's Sparrow
Birds Cassin's Finch Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Brown Creeper
Birds Clark's Nutcracker Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Burrowing Owl
Birds Evening Grosbeak Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Cassin's Finch
Birds Ferruginous Hawk Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Clark's Nutcracker
Birds Flammulated Owl Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Evening Grosbeak
Birds Golden Eagle Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Ferruginous Hawk
Birds Great Blue Heron Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Flammulated Owl
Birds Great Gray Owl Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Golden Eagle
Birds Greater Sage-Grouse Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Great Blue Heron
Birds Green-tailed Towhee Birds Harlequin Duck			Birds	Great Gray Owl
Birds Harlequin Duck			Birds	Greater Sage-Grouse
•			Birds	Green-tailed Towhee
Birds Lewis's Woodpecker			Birds	Harlequin Duck
			Birds	Lewis's Woodpecker

Number	Focal Area Name	Animal Subgroup	Species Name
53	Yellowstone	Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Sagebrush Sparrow
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Trumpeter Swan
		Birds	Varied Thrush
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Canada Lynx
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
54	Yellowstone River	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-billed Cuckoo
		Birds	Bobolink

Number	Focal Area Name	Animal Subgroup	Species Name
54	Yellowstone River	Birds	Brewer's Sparrow
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Least Tern
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Nelson's Sharp-tailed Sparrow
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Piping Plover
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sedge Wren
		Birds	Sharp-tailed Grouse
		Birds	Sprague's Pipit
		Birds	Veery
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake

Number	Focal Area Name	Animal Subgroup	Species Name
54	Yellowstone River	Reptiles	Smooth Greensnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake
55	Yellowstone River R5	Amphibians	Great Plains Toad
		Amphibians	Northern Leopard Frog
		Amphibians	Plains Spadefoot
		Birds	American Bittern
		Birds	Baird's Sparrow
		Birds	Black Tern
		Birds	Black-backed Woodpecker
		Birds	Black-billed Cuckoo
		Birds	Black-necked Stilt
		Birds	Bobolink
		Birds	Brewer's Sparrow
		Birds	Brown Creeper
		Birds	Burrowing Owl
		Birds	Cassin's Finch
		Birds	Chestnut-collared Longspur
		Birds	Clark's Nutcracker
		Birds	Evening Grosbeak
		Birds	Ferruginous Hawk
		Birds	Golden Eagle
		Birds	Great Blue Heron
		Birds	Great Gray Owl
		Birds	Greater Sage-Grouse
		Birds	Green-tailed Towhee
		Birds	Harlequin Duck
		Birds	Lewis's Woodpecker
		Birds	Loggerhead Shrike
		Birds	Long-billed Curlew
		Birds	McCown's Longspur
		Birds	Mountain Plover
		Birds	Northern Goshawk
		Birds	Peregrine Falcon
		Birds	Pinyon Jay
		Birds	Red-headed Woodpecker
		Birds	Sage Thrasher
		Birds	Sharp-tailed Grouse

Number	Focal Area Name	Animal Subgroup	Species Name
55	Yellowstone River R5	Birds	Sprague's Pipit
		Birds	Veery
		Birds	White-faced Ibis
		Birds	Yellow-billed Cuckoo
		Mammals	Black-tailed Prairie Dog
		Mammals	Dwarf Shrew
		Mammals	Fringed Myotis
		Mammals	Grizzly Bear
		Mammals	Hoary Bat
		Mammals	Little Brown Myotis
		Mammals	Merriam's Shrew
		Mammals	Pallid Bat
		Mammals	Preble's Shrew
		Mammals	Spotted Bat
		Mammals	Swift Fox
		Mammals	Townsend's Big-eared Bat
		Mammals	Wolverine
		Reptiles	Greater Short-horned Lizard
		Reptiles	Milksnake
		Reptiles	Snapping Turtle
		Reptiles	Spiny Softshell
		Reptiles	Western Hog-nosed Snake

Appendix M: Tier II Terrestrial Focal Areas

<u>Tier II: Moderate conservation need.</u> Resources could be used to implement conservation actions that provide direct benefit to these areas.

Sixty-one Tier II terrestrial Focal Areas were identified. If you would like more information (e.g., other species, threats, and impacts) on individual Focal Areas, please contact FWP at mtswap@mt.gov.

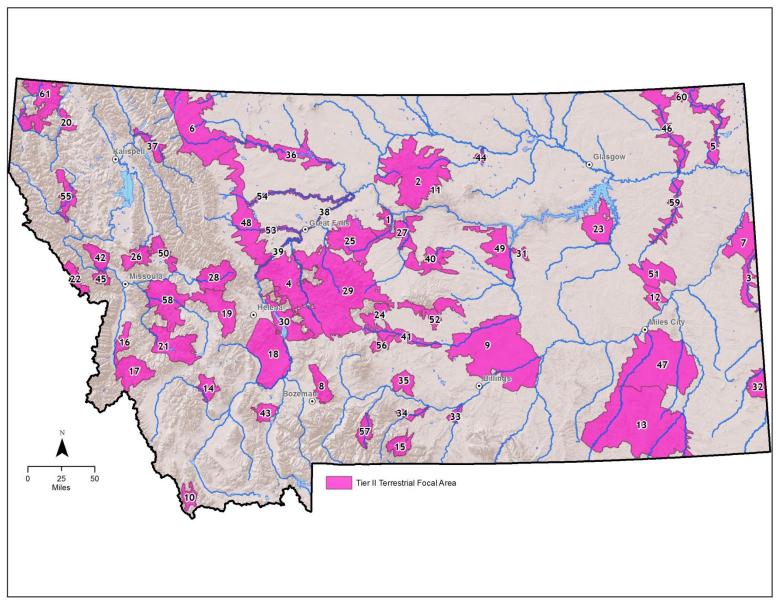


Figure 134. Tier II Terrestrial Focal Areas

31 Lodgepole Creek

Number Focal Area Name Number Focal Area Name Arrow Creek 32 Long Pine 2 Bear's Paw 33 Lower Clarks Fork of the Yellowstone connectivity 3 Beaver Creek (Wibaux Co) 34 Lower Stillwater 4 Big Belts 35 Lower Sweetgrass 5 Big Muddy 36 Marias River and breaks 6 Blackfeet Reservation 37 Middle Fork Flathead River 7 Blue Mountain 38 Missouri below Great Falls 8 Bridgers 39 Missouri River upstream of Great Falls 9 Bull Mountains Mount Judiths and Moccasins 40 10 Cabin Creek Sagebrush Associates Musselshell River R5T 41 11 Cow Creek Ninemile 42 12 Custer Creek 43 Norris Hills **Custer National Forest** People's Creek 13 44 14 Divide 45 Petty Creek 15 East and West Rosebud Creek Poplar River 46 16 East Bitterroot Grasslands Pumpkin Creek 47 17 East Fork Bitterroot **RMF** Buffer 48 18 Elkhorns 49 SAGR Core Tier Two 19 Elliston Area Connectivity 50 Seeley East - Upper Clearwater 20 Fivemile 51 Sheep Mountain 21 Georgetown Lake - Phillipsburg 52 Snowys 22 Great Burn Connectivity Sun River from August to Great Falls 53 23 Haxby point 54 Teton River from Choteau to Loma 24 Haymaker 55 Thompson 25 Highwoods 56 Two Dot east 26 Jocko Upper Boulder 57 27 Judith River Upper Clark Fork - Garnets 58 28 Lincoln Connectivity 59 Upper Redwater River 29 Little Belts Whitetail Creek 60 30 Little Belts / Canyon Ferry Yaak 61

Appendix N: List of all Species of Greatest Conservation Need

Group	Common Name	Scientific Name	State Rank*	Also Species of Greatest Inventory Need
Amphibians	Idaho Giant Salamander	Dicamptodon aterrimus	S2	·
Amphibians	Coeur d'Alene Salamander	Plethodon idahoensis	S2	YES
Amphibians	Plains Spadefoot	Spea bombifrons	S 3	
Amphibians	Northern Leopard Frog	Lithobates pipiens	S1,S4	
Amphibians	Great Plains Toad	Anaxyrus cognatus	S2	
Amphibians	Western Toad	Anaxyrus boreas	S2	
Birds	Black-necked Stilt	Himantopus mexicanus	S3B	
Birds	American Bittern	Botaurus lentiginosus	S3B	
Birds	Black-crowned Night- Heron	Nycticorax nycticorax	S3B	
Birds	Great Blue Heron	Ardea herodias	S 3	
Birds	Bobolink	Dolichonyx oryzivorus	S3B	
Birds	Boreal Chickadee	Poecile hudsonicus	S3	
Birds	Whooping Crane	Grus americana	S1M	
Birds	Brown Creeper	Certhia americana	S 3	
Birds	Black-billed Cuckoo	Coccyzus erythropthalmus	S3B	YES
Birds	Yellow-billed Cuckoo	Coccyzus americanus	S3B	YES
Birds	Peregrine Falcon	Falco peregrinus	S 3	
Birds	Black Rosy-Finch	Leucosticte atrata	S2	YES
Birds	Cassin's Finch	Haemorhous cassinii	S3	
Birds	Evening Grosbeak	Coccothraustes vespertinus	S 3	
Birds	Gray-crowned Rosy- Finch	Leucosticte tephrocotis	S2B,S5N	YES
Birds	Alder Flycatcher	Empidonax alnorum	S3B	
Birds	Blue-gray Gnatcatcher	Polioptila caerulea	S2B	

Group	Common Name	Scientific Name	State Rank*	Also Species of Greatest Inventory Need
Birds	Clark's Grebe	Aechmophorus clarkii	S3B	220, 220, 27, 20, 20
Birds	Horned Grebe	Podiceps auritus	S3B	
Birds	Black Tern	Chlidonias niger	S3B	
Birds	Caspian Tern	Hydroprogne caspia	S2B	
Birds	Common Tern	Sterna hirundo	S3B	
Birds	Forster's Tern	Sterna forsteri	S3B	
Birds	Franklin's Gull	Leucophaeus pipixcan	S3B	
Birds	Least Tern	Sternula antillarum	S1B	YES
Birds	Ferruginous Hawk	Buteo regalis	S3B	
Birds	Golden Eagle	Aquila chrysaetos	S3	
Birds	Northern Goshawk	Accipiter gentilis	S3	YES
Birds	White-faced Ibis	Plegadis chihi	S3B	
Birds	Clark's Nutcracker	Nucifraga columbiana	S 3	
Birds	Pinyon Jay	Gymnorhinus cyanocephalus	S3	
Birds	Chestnut-collared Longspur	Calcarius ornatus	S2B	
Birds	McCown's Longspur	Rhynchophanes mccownii	S3B	
Birds	Common Loon	Gavia immer	S3B	
Birds	Burrowing Owl	Athene cunicularia	S3B	
Birds	Flammulated Owl	Otus flammeolus	S3B	
Birds	Great Gray Owl	Strix nebulosa	S3	YES
Birds	Northern Hawk Owl	Surnia ulula	S3	
Birds	American White Pelican	Pelecanus erythrorhynchos	S3B	
Birds	Sprague's Pipit	Anthus spragueii	S3B	
Birds	Mountain Plover	Charadrius montanus	S2B	
Birds	Piping Plover	Charadrius melodus	S2B	

Group	Common Name	Scientific Name	State Rank*	Also Species of Greatest Inventory Need
Birds	Yellow Rail	Coturnicops noveboracensis	S3B	211.1011.01.
Birds	Long-billed Curlew	Numenius americanus	S3B	
Birds	Loggerhead Shrike	Lanius ludovicianus	S3B	
Birds	Baird's Sparrow	Ammodramus bairdii	S3B	
Birds	Brewer's Sparrow	Spizella breweri	S3B	
Birds	Green-tailed Towhee	Pipilo chlorurus	S3B	
Birds	Le Conte's Sparrow	Ammodramus leconteii	S3B	
Birds	Nelson's Sparrow	Ammodramus nelsoni	S3B	
Birds	Sagebrush Sparrow	Artemisiospiza nevadensis	S3B	YES
Birds	Harlequin Duck	Histrionicus histrionicus	S2B	YES
Birds	Trumpeter Swan	Cygnus buccinator	S3	
Birds	Black Swift	Cypseloides niger	S1B	YES
Birds	Sage Thrasher	Oreoscoptes montanus	S3B	
Birds	Varied Thrush	Ixoreus naevius	S3B	
Birds	Veery	Catharus fuscescens	S3B	
Birds	Greater Sage-Grouse	Centrocercus urophasianus	S2	
Birds	Sharp-tailed Grouse	Tympanuchus phasianellus	S1,S4	
Birds	White-tailed Ptarmigan	Lagopus leucura	S 3	YES
Birds	Black-backed Woodpecker	Picoides arcticus	S 3	
Birds	Lewis's Woodpecker	Melanerpes lewis	S2B	
Birds	Pileated Woodpecker	Dryocopus pileatus	S3	
Birds	Red-headed Woodpecker	Melanerpes erythrocephalus	S3B	
Birds	Pacific Wren	Troglodytes pacificus	S3	

Group	Common Name	Scientific Name	State Rank*	Also Species of Greatest Inventory Need
Birds	Sedge Wren	Cistothorus platensis	S3B	inventory recu
Fish	Shortnose Gar	Lepisosteus platostomus	S1	
Fish	Northern Redbelly Dace	Chrosomus eos	S 3	
Fish	Northern Redbelly X Finescale Dace	Chrosomus eos x chrosomus neogaeus	S 3	
Fish	Pearl Dace	Margariscus margarita	S2	
Fish	Sicklefin Chub	Macrhybopsis meeki	S 1	
Fish	Sturgeon Chub	Macrhybopsis gelida	S2S3	
Fish	Paddlefish	Polyodon spathula	S2	
Fish	Iowa Darter	Etheostoma exile	S 3	
Fish	Sauger	Sander canadensis	S2	
Fish	Deepwater Sculpin	Myoxocephalus thompsonii	S 3	YES
Fish	Spoonhead Sculpin	Cottus ricei	S 3	
Fish	Torrent Sculpin	Cottus rhotheus	S3	
Fish	Pallid Sturgeon	Scaphirhynchus albus	S1	
Fish	White Sturgeon	Acipenser transmontanus	S1	
Fish	Blue Sucker	Cycleptus elongatus	S2S3	
Fish	Arctic Grayling	Thymallus arcticus	S 1	
Fish	Bull Trout	Salvelinus confluentus	S2	
Fish	Columbia River Redband Trout	Oncorhynchus mykiss gairdneri	S1	
Fish	Lake Trout	Salvelinus namaycush	S2	
Fish	Pygmy Whitefish	Prosopium coulteri	S 3	YES
Fish	Westslope Cutthroat Trout	Oncorhynchus clarkii lewisi	S2	
Fish	Yellowstone Cutthroat Trout	Oncorhynchus clarkii bouvieri	S2	

Fish Trout-perch Percopsis omiscomaycus Mammals Fringed Myotis Myotis thysanodes S3 Mammals Hoary Bat Lasiurus cinereus S3 Mammals Little Brown Myotis Myotis lucifugus S3 Mammals Pallid Bat Antrozous pallidus S3 Mammals Spotted Bat Euderma maculatum S3 YES Mammals Townsend's Big-eared Corynorhimus townsendii Mammals Grizzly Bear Ursus arctos S2S3 Mammals Bison Bos bison S2 Mammals Canada Lynx Lynx canadensis S3 Mammals Northern Bog Synaptomys borealis S2 YES Mammals Pygmy Rabbit Brachylagus idahoensis S3 Mammals Pygmy Rabbit Brachylagus idahoensis S3 Mammals Dwarf Shrew Sorex arcticus S1S3 Mammals Merriam's Shrew Sorex merriami S3 Mammals Merriam's Shrew Sorex merriami S3 Mammals Pygmy Shrew Sorex preblei S3 Mammals Pygmy Shrew Sorex preblei S3 Mammals Pygmy Shrew Sorex hoyi S3 Mammals Black-tailed Prairie Dog Mammals Black-tailed Prairie Cynomys ludovicianus S1 Mammals Black-tailed Prairie Cynomys ludovicianus S1 Mammals Black-footed Ferret Mustela nigripes S1 Mammals Fisher Martes pennanti S3 Mammals Fisher Martes pennanti S3	Group	Common Name	Scientific Name	State Rank*	Also Species of Greatest Inventory Need
Mammals Hoary Bat Lasiurus cinereus \$3 Mammals Little Brown Myotis Myotis lucifugus \$3 Mammals Pallid Bat Antrozous pallidus \$3 Mammals Spotted Bat Euderma maculatum \$3 YES Mammals Townsend's Big-eared Bat Corynorhinus townsendii \$3 YES Mammals Grizzly Bear Ursus arctos \$283 Mammals Bison Bos bison \$2 Mammals Bison Bos bison \$2 Mammals Northern Bog Lemming Synaptomys borealis \$2 YES Mammals Oreat Basin Pocket Mouse Perognathus parvus \$3 YES Mammals Pygmy Rabbit Brachylagus idahoensis \$3 Mammals Pygmy Rabbit Brachylagus idahoensis \$3 Mammals Arctic Shrew Sorex nanus \$2\$3 Mammals Dwaff Shrew Sorex merriami \$3 Mammals Northern Short-tailed Blarina brevicauda \$1\$3 Mammals Pygmy Shrew Sorex hoyi \$3 <tr< th=""><th>Fish</th><th>Trout-perch</th><th>•</th><th></th><th>·</th></tr<>	Fish	Trout-perch	•		·
MammalsLittle Brown MyotisMyotis lucifugusS3MammalsPallid BatAntrozous pallidusS3MammalsSpotted BatEuderma maculatumS3YESMammalsTownsend's Big-eared BatCorynorhinus townsendiiS3MammalsGrizzly BearUrsus arctosS2S3MammalsBisonBos bisonS2MammalsCanada LynxLynx canadensisS3MammalsNorthern Bog LemmingSynaptomys borealisS2YESLemmingMammalsGreat Basin Pocket MousePerognathus parvusS3YESMammalsPygmy RabbitBrachylagus idahoensisS3MammalsPygmy RabbitBrachylagus idahoensisS3MammalsArctic ShrewSorex arcticusS1S3MammalsDwarf ShrewSorex nanusS2S3MammalsNorthern Short-tailed ShrewSorex merriamiS3MammalsPreble's ShrewSorex prebleiS3MammalsPygmy ShrewSorex hoyiS3MammalsBlack-tailed Prairie DogCynomys ludovicianusS3MammalsBlack-tailed PrairieCynomys ludovicianusS1DogMammalsBlack-footed FerretMustela nigripesS1MammalsFisherMartes pennantiS3	Mammals	Fringed Myotis	Myotis thysanodes	S 3	
MammalsPallid BatAntrozous pallidus\$3MammalsSpotted BatEuderma maculatum\$3YESMammalsTownsend's Big-eared BatCorynorhimus townsendii\$3MammalsGrizzly BearUrsus arctos\$2\$3MammalsBisonBos bison\$2MammalsCanada LynxLynx canadensis\$3MammalsNorthern Bog LemmingSynaptomys borealis\$2YESMammalsGreat Basin Pocket MousePerognathus parvus\$3YESMammalsPygmy RabbitBrachylagus idahoensis\$3MammalsArctic ShrewSorex arcticus\$1\$3MammalsDwarf ShrewSorex nanus\$2\$3MammalsMerriam's ShrewSorex merriami\$3MammalsNorthern Short-tailed ShrewSorex preblei\$3MammalsPreble's ShrewSorex hoyi\$3MammalsPygmy ShrewSorex hoyi\$3MammalsBlack-tailed Prairie DogCynomys ludovicianus\$3MammalsBlack-tailed PrairieCynomys leucurus\$1DogMammalsBlack-footed FerretMustela nigripes\$1MammalsFisherMartes pennanti\$3	Mammals	Hoary Bat	Lasiurus cinereus	S 3	
MammalsSpotted BatEuderma maculatum\$3YESMammalsTownsend's Big-eared BatCorynorhinus townsendii\$3MammalsGrizzly BearUrsus arctos\$2\$3MammalsBison\$0 bison\$2MammalsCanada LynxLynx canadensis\$3MammalsNorthern Bog LemmingSynaptomys borealis\$2YESMammalsGreat Basin Pocket MousePerognathus parvus\$3YESMammalsPygmy RabbitBrachylagus idahoensis\$3MammalsArctic ShrewSorex arcticus\$183MammalsDwarf ShrewSorex merriami\$3MammalsMerriam's ShrewSorex merriami\$3MammalsNorthern Short-tailed ShrewSorex preblei\$3MammalsPreble's ShrewSorex preblei\$3MammalsPygmy ShrewSorex hoyi\$3MammalsBlack-tailed Prairie DogCynomys leucurus\$1MammalsBlack-tailed Prairie DogCynomys leucurus\$1MammalsBlack-footed FerretMustela nigripes\$1MammalsFisherMartes pennanti\$3	Mammals	Little Brown Myotis	Myotis lucifugus	S 3	
MammalsTownsend's Big-eared BatCorynorhinus townsendii\$3MammalsGrizzly BearUrsus arctos\$2\$3MammalsBisonBos bison\$2MammalsCanada LynxLynx canadensis\$3MammalsNorthern Bog LemmingSynaptomys borealis\$2YESMammalsGreat Basin Pocket MousePerognathus parvus\$3YESMammalsPygmy RabbitBrachylagus idahoensis\$3MammalsArctic ShrewSorex arcticus\$153MammalsDwarf ShrewSorex nanus\$223MammalsMerriam's ShrewSorex merriami\$3MammalsNorthern Short-tailed Blarina brevicauda\$153MammalsPreble's ShrewSorex preblei\$3MammalsPygmy ShrewSorex hoyi\$3MammalsBlack-tailed Prairie DogCynomys ludovicianus\$3MammalsWhite-tailed Prairie DogCynomys leucurus\$1MammalsBlack-footed FerretMustela nigripes\$1MammalsFisherMartes pennanti\$3	Mammals	Pallid Bat	Antrozous pallidus	S 3	
BattownsendiiMammalsGrizzly BearUrsus arctos\$283MammalsBisonBos bison\$2MammalsCanada LynxLynx canadensis\$3MammalsNorthern Bog LemmingSynaptomys borealis\$2YESMammalsGreat Basin Pocket MousePerognathus parvus\$3YESMammalsPygmy RabbitBrachylagus idahoensis\$3MammalsArctic ShrewSorex arcticus\$183MammalsDwarf ShrewSorex nanus\$283MammalsMerriam's ShrewSorex merriami\$3MammalsNorthern Short-tailed ShrewBlarina brevicauda Shrew\$183MammalsPreble's ShrewSorex preblei\$3MammalsPygmy ShrewSorex hoyi\$3MammalsBlack-tailed Prairie DogCynomys ludovicianus Dog\$3MammalsWhite-tailed Prairie DogCynomys leucurus\$1MammalsBlack-footed FerretMustela nigripes\$1MammalsFisherMartes pennanti\$3	Mammals	Spotted Bat	Euderma maculatum	S 3	YES
MammalsBisonBos bison\$2MammalsCanada LynxLynx canadensis\$3MammalsNorthern Bog LemmingSynaptomys borealis\$2YESMammalsGreat Basin Pocket MousePerognathus parvus\$3YESMammalsPygmy RabbitBrachylagus idahoensis\$3MammalsArctic ShrewSorex arcticus\$1\$3MammalsDwarf ShrewSorex nanus\$2\$3MammalsMerriam's ShrewSorex merriami\$3MammalsNorthern Short-tailed ShrewSlarina brevicauda\$1\$3MammalsPreble's ShrewSorex preblei\$3MammalsPygmy ShrewSorex hoyi\$3MammalsBlack-tailed Prairie DogCynomys ludovicianus\$3MammalsWhite-tailed Prairie DogCynomys leucurus\$1MammalsBlack-footed FerretMustela nigripes\$1MammalsFisherMartes pennanti\$3	Mammals	_		S 3	
MammalsCanada LynxLynx canadensis\$3MammalsNorthern Bog LemmingSynaptomys borealis Synaptomys borealis Perognathus parvus\$2YESMammalsGreat Basin Pocket MousePerognathus parvus Brachylagus idahoensis\$3YESMammalsPygmy RabbitBrachylagus idahoensis Sorex arcticus\$3MammalsArctic ShrewSorex arcticus\$153MammalsDwarf ShrewSorex merriami\$3MammalsMorthern Short-tailed ShrewBlarina brevicauda Shrew\$153MammalsPreble's ShrewSorex preblei\$3MammalsPygmy ShrewSorex hoyi\$3MammalsBlack-tailed Prairie DogCynomys ludovicianus Dog\$3MammalsWhite-tailed Prairie DogCynomys leucurus S1\$1MammalsBlack-footed FerretMustela nigripes\$1MammalsFisherMartes pennanti\$3	Mammals	Grizzly Bear	Ursus arctos	S2S3	
MammalsNorthern Bog LemmingSynaptomys borealis\$2YESMammalsGreat Basin Pocket MousePerognathus parvus\$3YESMammalsPygmy RabbitBrachylagus idahoensis\$3MammalsArctic ShrewSorex arcticus\$1\$3MammalsDwarf ShrewSorex nanus\$2\$3MammalsMerriam's ShrewSorex merriami\$3MammalsNorthern Short-tailed ShrewBlarina brevicauda Shrew\$1\$3MammalsPreble's ShrewSorex preblei\$3MammalsPygmy ShrewSorex hoyi\$3MammalsBlack-tailed Prairie DogCynomys ludovicianus Dog\$3MammalsWhite-tailed Prairie DogCynomys leucurus\$1MammalsBlack-footed FerretMustela nigripes\$1MammalsFisherMartes pennanti\$3	Mammals	Bison	Bos bison	S2	
Lemming Mammals Great Basin Pocket Mouse Mammals Pygmy Rabbit Brachylagus idahoensis S3 Mammals Arctic Shrew Sorex arcticus S1S3 Mammals Dwarf Shrew Sorex nanus S2S3 Mammals Merriam's Shrew Sorex merriami S3 Mammals Northern Short-tailed Blarina brevicauda S1S3 Mammals Preble's Shrew Sorex preblei S3 Mammals Pygmy Shrew Sorex hoyi S3 Mammals Black-tailed Prairie Dog Mammals White-tailed Prairie Dog Mammals Black-footed Ferret Mustela nigripes S1 Mammals Fisher Martes pennanti S3	Mammals	Canada Lynx	Lynx canadensis	S 3	
Mouse Mammals Pygmy Rabbit Brachylagus idahoensis S3 Mammals Arctic Shrew Sorex arcticus S1S3 Mammals Dwarf Shrew Sorex nanus S2S3 Mammals Merriam's Shrew Sorex merriami S3 Mammals Northern Short-tailed Blarina brevicauda S1S3 Mammals Preble's Shrew Sorex preblei S3 Mammals Pygmy Shrew Sorex hoyi S3 Mammals Black-tailed Prairie Cynomys ludovicianus S3 Mammals White-tailed Prairie Cynomys leucurus S1 Mammals Black-footed Ferret Mustela nigripes S1 Mammals Fisher Martes pennanti S3	Mammals	<u> </u>	Synaptomys borealis	S2	YES
MammalsArctic ShrewSorex arcticus\$183MammalsDwarf ShrewSorex nanus\$283MammalsMerriam's ShrewSorex merriami\$3MammalsNorthern Short-tailed ShrewBlarina brevicauda S183MammalsPreble's ShrewSorex preblei\$3MammalsPygmy ShrewSorex hoyi\$3MammalsBlack-tailed Prairie DogCynomys ludovicianus S3MammalsWhite-tailed Prairie DogCynomys leucurus S1MammalsBlack-footed FerretMustela nigripes\$1MammalsFisherMartes pennanti\$3	Mammals		Perognathus parvus	S 3	YES
MammalsDwarf ShrewSorex nanus\$2\$3MammalsMerriam's ShrewSorex merriami\$3MammalsNorthern Short-tailed ShrewBlarina brevicauda S1\$3MammalsPreble's ShrewSorex preblei\$3MammalsPygmy ShrewSorex hoyi\$3MammalsBlack-tailed Prairie DogCynomys ludovicianus S3MammalsWhite-tailed Prairie DogCynomys leucurus S1MammalsBlack-footed FerretMustela nigripes\$1MammalsFisherMartes pennanti\$3	Mammals	Pygmy Rabbit	Brachylagus idahoensis	S 3	
MammalsMerriam's ShrewSorex merriamiS3MammalsNorthern Short-tailed ShrewBlarina brevicaudaS1S3MammalsPreble's ShrewSorex prebleiS3MammalsPygmy ShrewSorex hoyiS3MammalsBlack-tailed Prairie DogCynomys ludovicianusS3MammalsWhite-tailed Prairie DogCynomys leucurusS1MammalsBlack-footed FerretMustela nigripesS1MammalsFisherMartes pennantiS3	Mammals	Arctic Shrew	Sorex arcticus	S1S3	
MammalsNorthern Short-tailed ShrewBlarina brevicauda Sorex prebleiS1S3MammalsPreble's ShrewSorex prebleiS3MammalsPygmy ShrewSorex hoyiS3MammalsBlack-tailed Prairie DogCynomys ludovicianus Cynomys leucurusS3MammalsWhite-tailed Prairie DogCynomys leucurus S1S1MammalsBlack-footed FerretMustela nigripesS1MammalsFisherMartes pennantiS3	Mammals	Dwarf Shrew	Sorex nanus	S2S3	
Mammals Preble's Shrew Sorex preblei S3 Mammals Pygmy Shrew Sorex hoyi S3 Mammals Black-tailed Prairie Cynomys ludovicianus S3 Mammals White-tailed Prairie Cynomys leucurus S1 Mammals Black-footed Ferret Mustela nigripes S1 Mammals Fisher Martes pennanti S3	Mammals	Merriam's Shrew	Sorex merriami	S 3	
MammalsPygmy ShrewSorex hoyiS3MammalsBlack-tailed Prairie DogCynomys ludovicianusS3MammalsWhite-tailed Prairie DogCynomys leucurusS1MammalsBlack-footed FerretMustela nigripesS1MammalsFisherMartes pennantiS3	Mammals		Blarina brevicauda	S1S3	
MammalsBlack-tailed Prairie DogCynomys ludovicianus Cynomys leucurusS3MammalsWhite-tailed Prairie DogCynomys leucurus S1S1MammalsBlack-footed FerretMustela nigripesS1MammalsFisherMartes pennantiS3	Mammals	Preble's Shrew	Sorex preblei	S3	
Mammals White-tailed Prairie Cynomys leucurus S1 Mammals Black-footed Ferret Mustela nigripes S1 Mammals Fisher Martes pennanti S3	Mammals	Pygmy Shrew	Sorex hoyi	S 3	
Dog Mammals Black-footed Ferret Mustela nigripes S1 Mammals Fisher Martes pennanti S3	Mammals		Cynomys ludovicianus	S 3	
Mammals Fisher Martes pennanti S3	Mammals		Cynomys leucurus	S1	
•	Mammals	Black-footed Ferret	Mustela nigripes	S1	
Mammals Wolverine Gulo gulo S3	Mammals	Fisher	Martes pennanti	S 3	
The same and the s	Mammals	Wolverine	Gulo gulo	S 3	

Group	Common Name	Scientific Name	State Rank*	Also Species of Greatest Inventory Need
Mammals	Swift Fox	Vulpes velox	S 3	
Mussels	Western Pearlshell	Margaritifera falcata	S2	
Reptiles	Northern Alligator Lizard	Elgaria coerulea	S3	YES
Reptiles	Milksnake	Lampropeltis triangulum	S2	
Reptiles	Smooth Greensnake	Opheodrys vernalis	S2	YES
Reptiles	Western Hog-nosed Snake	Heterodon nasicus	S2	YES
Reptiles	Greater Short-horned Lizard	Phrynosoma hernandesi	S3	YES
Reptiles	Western Skink	Plestiodon skiltonianus	S 3	YES
Reptiles	Snapping Turtle	Chelydra serpentina	S 3	YES
Reptiles	Spiny Softshell	Apalone spinifera	S3	

^{*}Species with a State Rank of S1 or S2 are the primary focus of the SWAP.

Appendix O: List of Invertebrate Species of Concern (Montana Natural Heritage Program 2014)

2014) Subgroup	Common Name	Scientific Name
Arachnids	A Cave Obligate Harvestman	Cryptobunus cavicolus
Beetles	Brown's Microcylloepus Riffle Beetle	Microcylloepus browni
Beetles	Saint Anthony Dune Tiger Beetle	Cicindela arenicola
Beetles	Warm Spring Zaitzevian Riffle Beetle	Zaitzevia thermae
Butterflies	Alberta Fritillary	Boloria alberta
Butterflies	Frigga Fritillary	Boloria frigga
Butterflies	Gillette's Checkerspot	Euphydryas gillettii
Butterflies	Gray Comma	Polygonia progne
Butterflies	Ottoe Skipper	Hesperia ottoe
Caddisflies	A Rhyacophilan Caddisfly	Rhyacophila ebria
Caddisflies	A Rhyacophilan Caddisfly	Rhyacophila gemona
Caddisflies	A Rhyacophilan Caddisfly	Rhyacophila glaciera
Caddisflies	A Rhyacophilan Caddisfly	Rhyacophila newelli
Caddisflies	A Rhyacophilan Caddisfly	Rhyacophila potteri
Caddisflies	A Rhyacophilan Caddisfly	Rhyacophila rickeri
Caddisflies	Alexander's Rhyacophilan Caddisfly	Rhyacophila alexanderi
Caddisflies	Northern Rocky Mountains Refugium Caddisfly	Goereilla baumanni
Caddisflies	Northern Rocky Mountains Refugium Caddisfly	Rossiana montana
Crustaceans	A Cave Obligate Isopod	Salmasellus steganothrix
Crustaceans	A Subterranean Amphipod	Stygobromus montanensis
Crustaceans	A Subterranean Amphipod	Stygobromus obscurus
Crustaceans	A Subterranean Amphipod	Stygobromus puteanus
Crustaceans	A Subterranean Amphipod	Stygobromus tritus
Crustaceans	Glacier Amphipod	Stygobromus glacialis
Damselflies	Subarctic Bluet	Coenagrion interrogatum
Dragonflies	Boreal Whiteface	Leucorrhinia borealis
Dragonflies	Brimstone Clubtail	Stylurus intricatus
Dragonflies	Brush-tipped Emerald	Somatochlora walshii
Dragonflies	Eastern Ringtail	Erpetogomphus designatus
Dragonflies	Subarctic Darner	Aeshna subarctica
Dragonflies	Western Pondhawk	Erythemis collocata
Freshwater Sponges	A Freshwater Sponge	Ephydatia cooperensis
Mayflies	A Mayfly	Caenis youngi

Subgroup	Common Name	Scientific Name
Mayflies	A Mayfly	Parameletus columbiae
Mayflies	A Mayfly	Raptoheptagenia cruentata
Mayflies	A Sand-dwelling Mayfly	Anepeorus rusticus
Mayflies	A Sand-dwelling Mayfly	Homoeoneuria alleni
Mayflies	A Sand-dwelling Mayfly	Lachlania saskatchewanensis
Mayflies	A Sand-dwelling Mayfly	Macdunnoa nipawinia
Mayflies	Lolo Mayfly	Caurinella idahoensis
Millipedes	A Millipede	Adrityla cucullata
Millipedes	A Millipede	Austrotyla montani
Millipedes	A Millipede	Corypus cochlearis
Millipedes	A Millipede	Endopus parvipes
Millipedes	A Millipede	Lophomus laxus
Millipedes	A Millipede	Orophe cabinetus
Millipedes	A Millipede	Orthogmus oculatus
Millipedes	A Millipede	Taiyutyla curvata
Mollusks	A Spring Snail	Pyrgulopsis bedfordensis
Mollusks	Alpine Mountainsnail	Oreohelix alpina
Mollusks	Berry's Mountainsnail	Oreohelix strigosa berryi
Mollusks	Bitterroot Mountainsnail	Oreohelix amariradix
Mollusks	Carinate Mountainsnail	Oreohelix elrodi
Mollusks	Gallatin Mountainsnail	Oreohelix yavapai mariae
Mollusks	Humped Coin	Polygyrella polygyrella
Mollusks	Keeled Mountainsnail	Oreohelix carinifera
Mollusks	Lake Disc	Discus brunsoni
Mollusks	Large-mantle Physa	Physa megalochlamys
Mollusks	Lyrate Mountainsnail	Oreohelix haydeni
Mollusks	Lyre Mantleslug	Udosarx lyrata
Mollusks	Magnum Mantleslug	Magnipelta mycophaga
Mollusks	Marbled Jumping-slug	Hemphillia danielsi
Mollusks	Pale Jumping-slug	Hemphillia camelus
Mollusks	Pygmy Mountainsnail	Oreohelix pygmaea
Mollusks	Pygmy Slug	Kootenaia burkei
Mollusks	Reticulate Taildropper	Prophysaon andersoni
Mollusks	Robust Lancetooth	Haplotrema vancouverense
Mollusks	Rocky Mountain Capshell	Acroloxus coloradensis

Subgroup	Common Name	Scientific Name
Mollusks	Rocky Mountain Duskysnail	Colligyrus greggi
Mollusks	Sheathed Slug	Zacoleus idahoensis
Mollusks	Shiny Tightcoil	Pristiloma wascoense
Mollusks	Shortface Lanx	Fisherola nuttalli
Mollusks	Smoky Taildropper	Prophysaon humile
Mollusks	Striate Disc	Discus shimekii
Mollusks	Western Pearlshell	Margaritifera falcata
Springtails	A Springtail	Oncopodura cruciata
Stoneflies	Alberta Snowfly	Isocapnia integra
Stoneflies	Clearwater Roachfly	Soliperla salish
Stoneflies	Columbian Snowfly	Utacapnia columbiana
Stoneflies	Cordilleran Forestfly	Zapada cordillera
Stoneflies	Hooked Snowfly	Isocapnia crinita
Stoneflies	Meltwater Lednian Stonefly	Lednia tumana
Stoneflies	Northern Rocky Mountains Refugium Stonefly	Soyedina potteri
Stoneflies	Springs Stripetail	Isoperla petersoni
Stoneflies	Western Glacier Stonefly	Zapada glacier

<u>Citation</u>
Montana Natural Heritage Program. 2014. Species of concern list updated on October 7, 2013. Retrieved on March 13, 2014. http://mtnhp.org/SpeciesOfConcern/?AorP=p

Appendix P: List of Plant Species of Concern (Global rank of G1 or G2 only; Montana Natural Heritage Program 2014)

Subgroup	Common Name	Scientific Name
Bryophytes	Bartram's tortula moss	Syntrichia bartramii
Bryophytes	Britton's dry rock moss	Grimmia brittoniae
Bryophytes	Hooker's physcomitrium moss	Physcomitrium hookeri
Bryophytes	Orthotrichum moss	Orthotrichum praemorsum
Bryophytes	Waterfall copper moss	Haplodontium macrocarpum
Ferns and Fern Allies	Adnate Moonwort	Botrychium adnatum
Ferns and Fern Allies	Frenchman's Bluff Moonwort	Botrychium gallicomontanum
Ferns and Fern Allies	Linearleaf Moonwort	Botrychium lineare
Ferns and Fern Allies	Stalked Moonwort	Botrychium pedunculosum
Flowering Plants	Alkali Primrose	Primula alcalina
Flowering Plants	Bitterroot Bladderpod	Physaria humilis
Flowering Plants	Bloom Peak Douglasia	Douglasia conservatorum
Flowering Plants	Idaho Sedge	Carex idahoa
Flowering Plants	Lackschewitz' Milkvetch	Astragalus lackschewitzii
Flowering Plants	Lesica's Bladderpod	Physaria lesicii
Flowering Plants	Long-styled Thistle	Cirsium longistylum
Flowering Plants	Mission Mountain kittentails	Synthyris canbyi
Flowering Plants	Northwestern Thelypody	Thelypodium paniculatum
Flowering Plants	Parry's Fleabane	Erigeron parryi
Flowering Plants	Sapphire Rockcress	Boechera fecunda
Flowering Plants	Shoshonea	Shoshonea pulvinata
Flowering Plants	Small-winged Sedge	Carex stenoptila
Flowering Plants	Spalding's Catchfly	Silene spaldingii
Flowering Plants	Storm Saxifrage	Micranthes tempestiva
Flowering Plants	Thick-leaf Bladderpod	Physaria pachyphylla
Flowering Plants	Thinsepal monkeyflower	Mimulus hymenophyllus
Flowering Plants	Ute Lady's-tresses	Spiranthes diluvialis
Flowering Plants	Weber's Saw-wort	Saussurea weberi
Lichens	A Lichen	Nodobryoria subdivergens
Lichens	A Lichen	Rhizoplaca haydenii
Lichens	A Lichen	Umbilicaria hirsuta
Lichens	Netted Specklebelly Lichen	Pseudocyphellaria anomala
Lichens	Speck Lichen	Verrucaria kootenaica

<u>Citation</u>
Montana Natural Heritage Program. 2014. Plant species of concern list updated on June 10, 2013. Retrieved on March 13, 2014. http://mtnhp.org/SpeciesOfConcern/?AorP=p